How To Make 'Em Book

THE NEW ERECTOR

REG. U.S. PAT. OFF.

THE ONLY CONSTRUCTION TOY
WITH THE SQUARE GIRDER

THE A. C. GILBERT CO.,
New Haven, Conn., U. S. A.

IN ENGLAND
The A. C. Gilbert Company,
109 Kingsway, London, W. C. 2

Printed in U. S. A.

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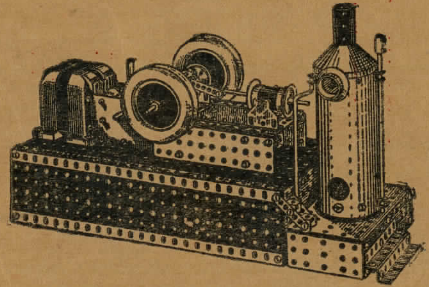
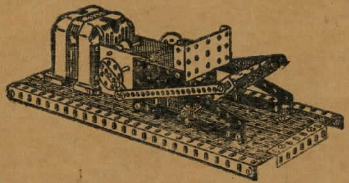
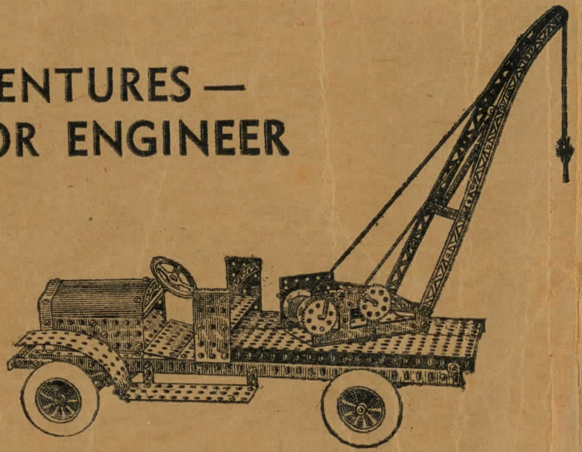
HELLO BOYS —

IF YOU LIKE THRILLS AND ADVENTURES — YOU'LL LIKE BEING AN ERECTOR ENGINEER







You'll find engineering thrills by the dozen building with Erector. One day you can be an automobile engineer and build a big motor truck. Put it together —piece by piece—with your own hands. Another day you can construct a giant Derrick with a real electric motor in it—and then make it work just like the ones you see on the highways. Then you can build a draw bridge that actually opens and closes—a towering ship crane such as used in Uncle Sam's Navy Yards—a mighty hoisting engine—an airplane—and dozens of other thrilling engineering marvels. Then there are many other fascinating models you can make such as Jib Cranes, Battleships, Wagons, Trucks, Ferris Wheels, Elevators, Merry-go-rounds, Tractors, Walking Beam Engines, etc.

Does that sound like fun? I'll tell you boys, being an engineer is the most exciting thing in the world. And that's just what you are when you have one of my new Erectors.

Remember too, that building these models is only half the fun. There's an electric motor in all sets commencing with the No. 4 and the final thrill comes when you hook them up and see them hum into action.

Every Erector Set has been completely re-designed and modernized. They are twice as much fun as ever before. You can make more realistic models. You can make them easier and quicker and have fun and thrills you'll never forget.

Your friend, A. C. Gilbert

How To Make 'Em Book

The Great NEW ERECTOR

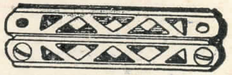
Printed in U. S. A.
M1615 -

Hello Boys!

I'm sure you fellows who own one of my great new Erector sets will be just as proud of it as I am— More parts, many in bright brilliant coloring and other important changes, will make Erector model construction more thrilling than ever.

Your Friend, A.C. Gilbert

The only Construction Toy with the Square Girder with Patented interlocking Edges



THE A. C. GILBERT CO.,
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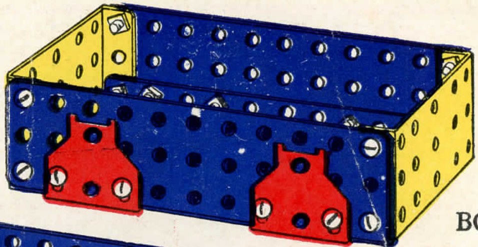
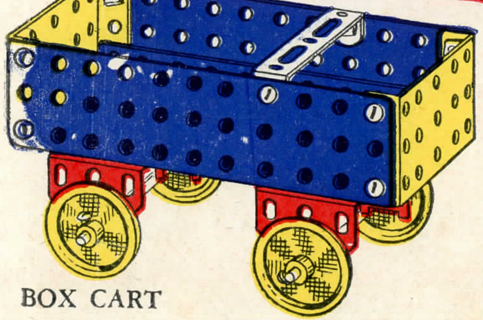
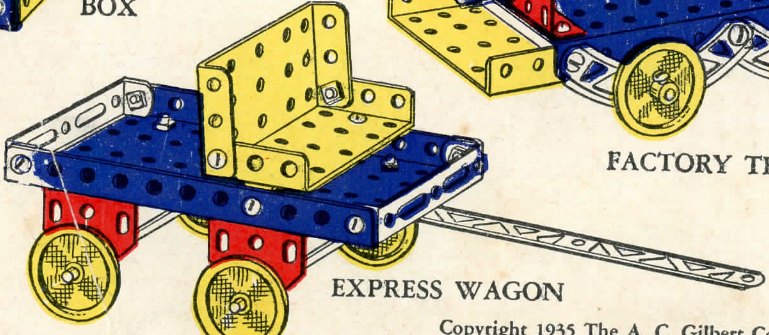
Models Built with No. 1½ Erector



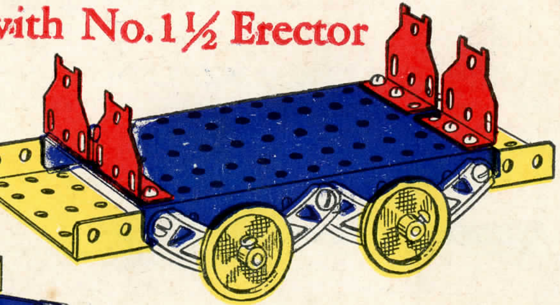
BOX



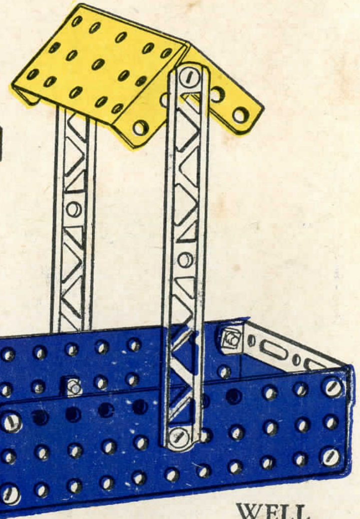
BOX CART



EXPRESS WAGON



FACTORY TRUCK



WELL

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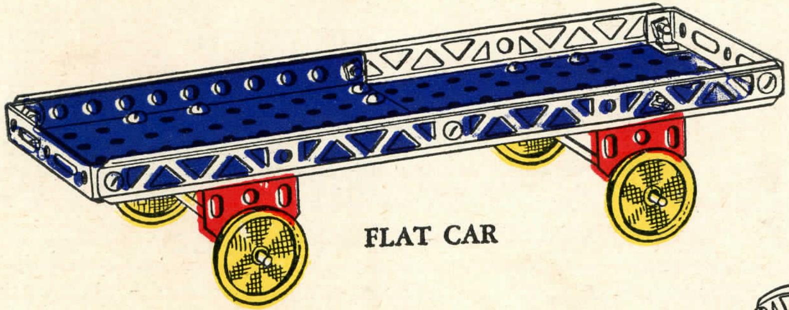
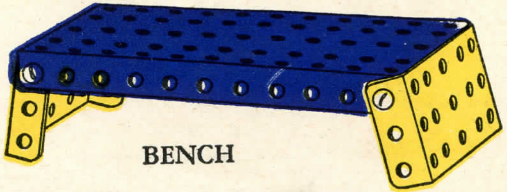
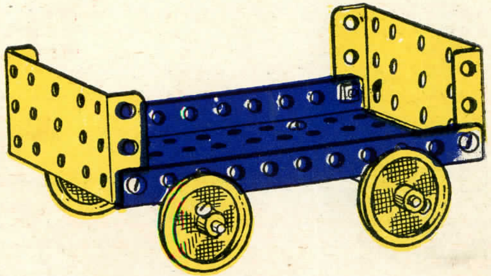
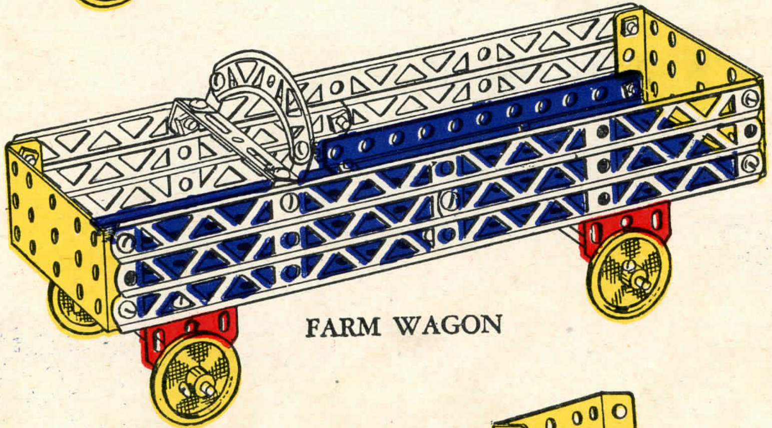
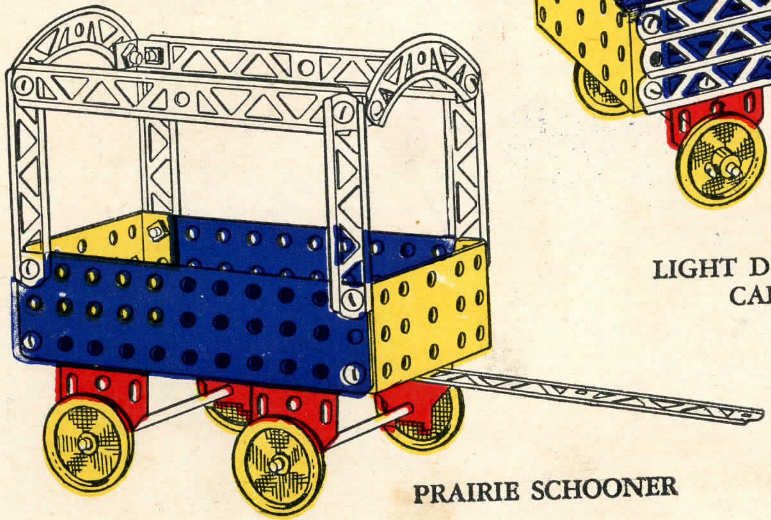
Models Built with No. 1½ Erector

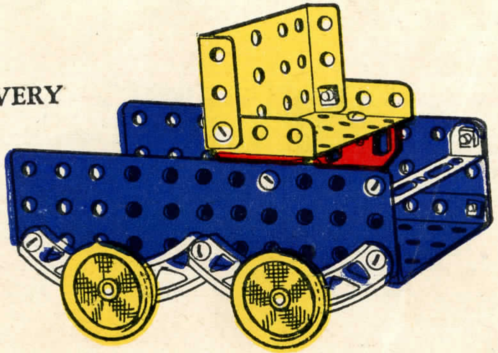

FLAT CAR

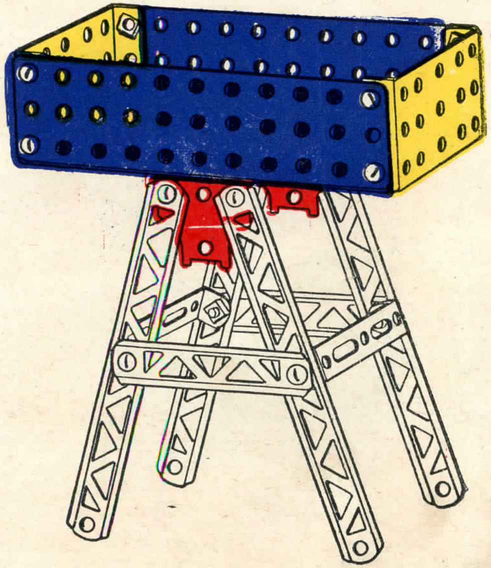

BENCH


BAGGAGE TRUCK


FARM WAGON

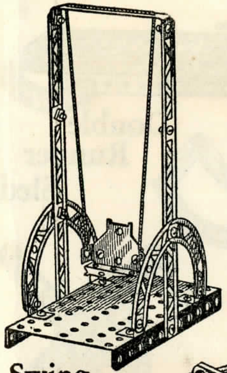

PRAIRIE SCHOONER

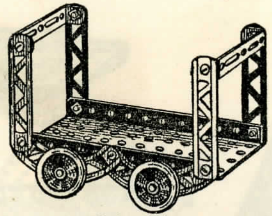

LIGHT DELIVERY CAR

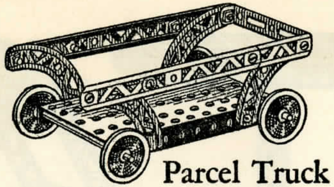

WORK BASKET

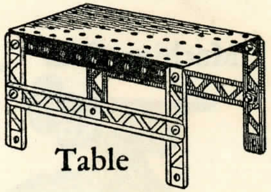
Models Built with No. 1 and 1½ Erector

The number of models that can be built with Erector is unlimited. While we show a great many in this book, they are only indications of the large number of different varieties and the adaptability of Erector, The World's Greatest Toy.


Swing


Baggage Truck


Parcel Truck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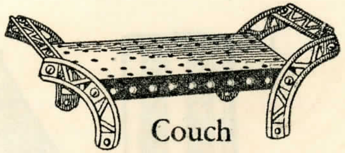
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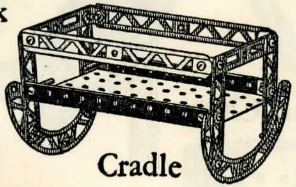
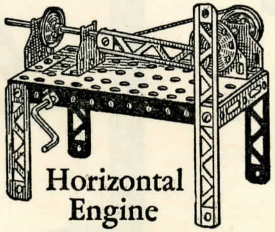
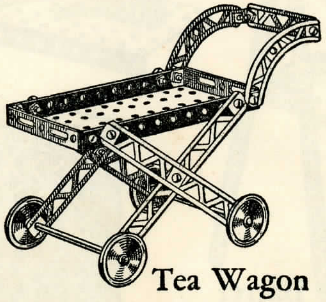
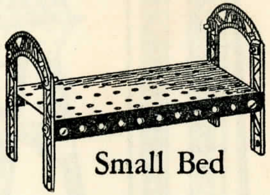

Cradle


Horizontal Engine


Tea Wagon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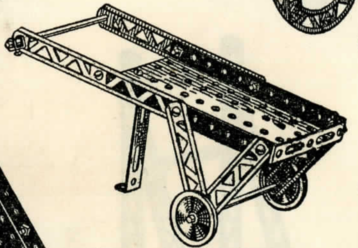
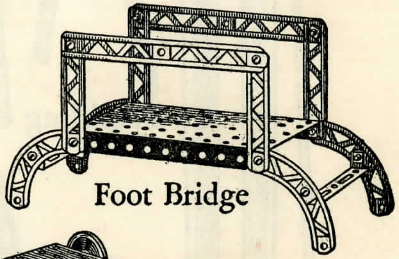

Vegetable Cart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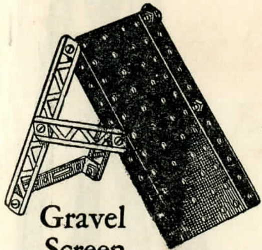
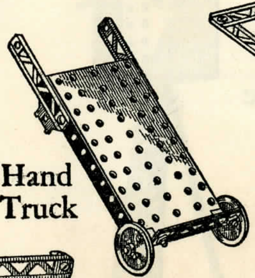
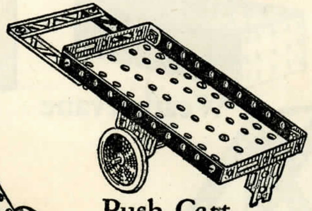
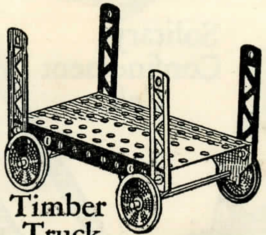
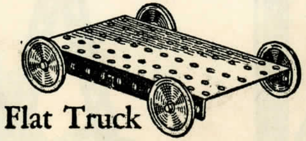
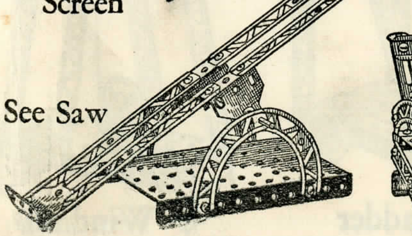

Gravel Screen

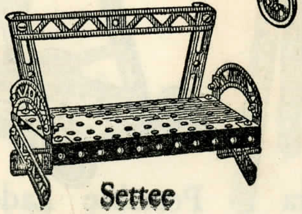

Hand Truck


Push Cart


Timber Truck


Flat Truck


See Saw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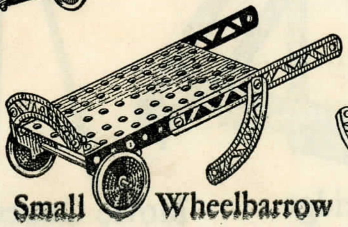
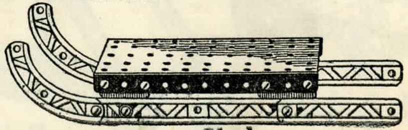
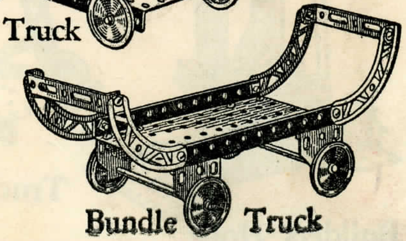
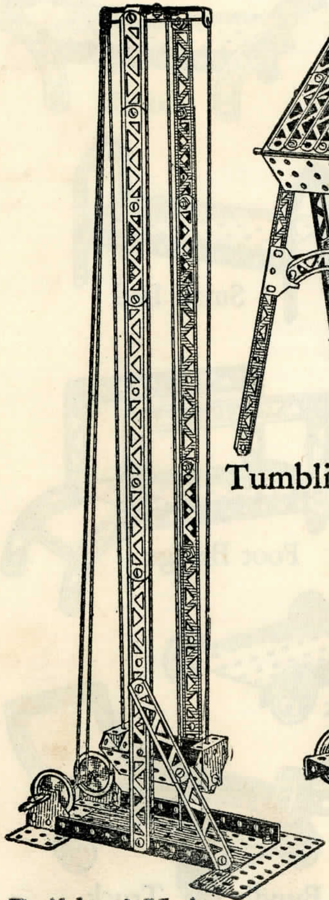

Small Wheelbarrow

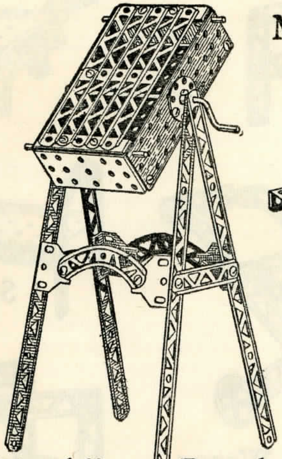

Sled


Bundle Truck

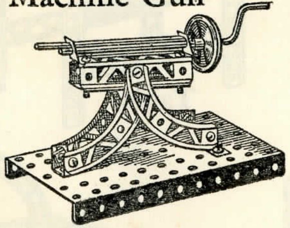
Models Built with No. 1½ Erector



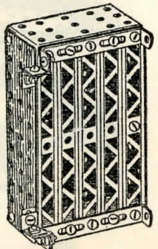
Builders' Hoist



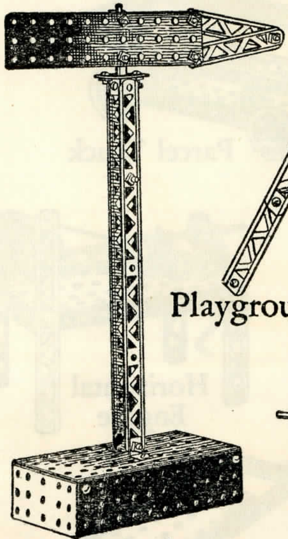
Tumbling Barrel



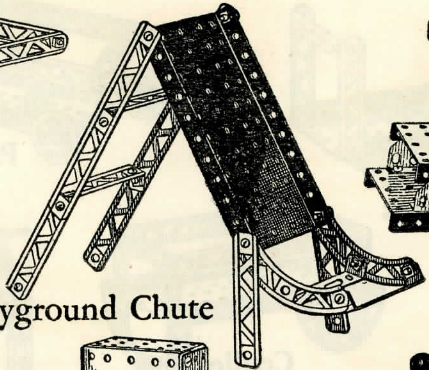
Machine Gun



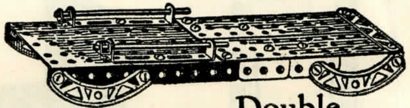
Solitary Confinement Cell



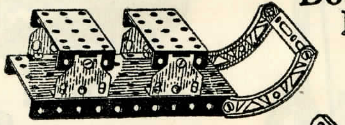
Weathervane



Playground Chute



Double Runner Sled



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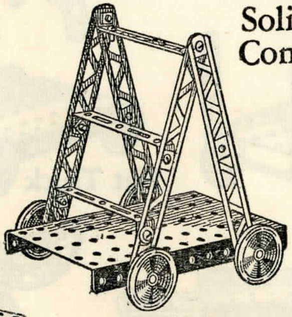
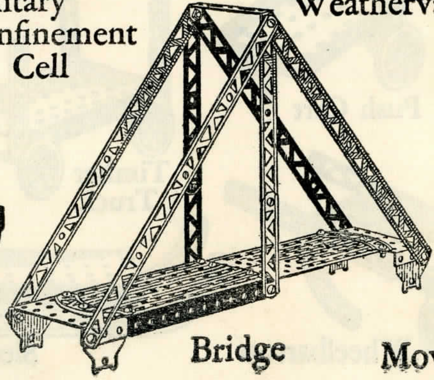
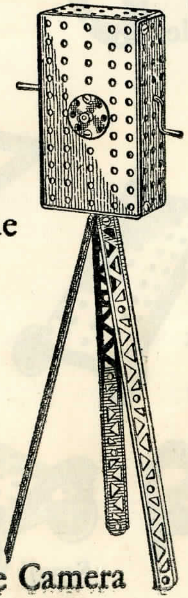


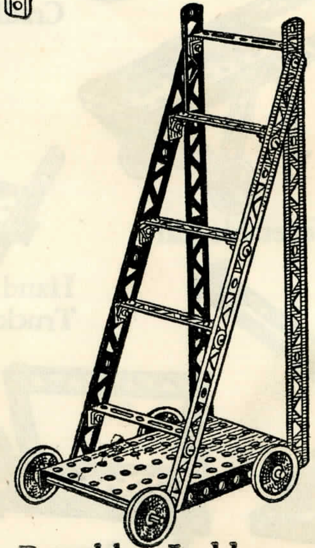
Truck Ladder



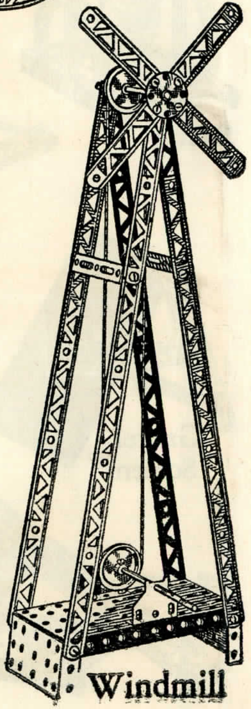
Bridge



Movie Camera

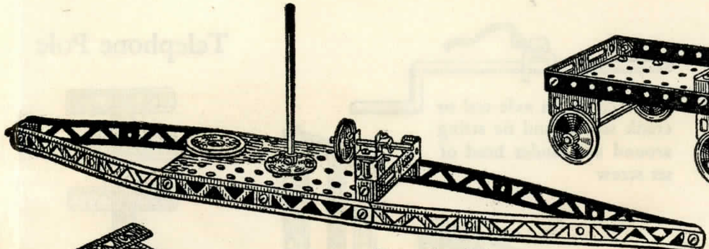


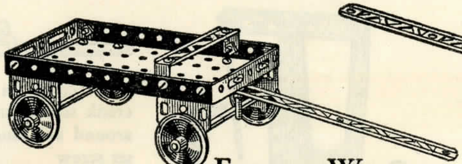
Portable Ladder

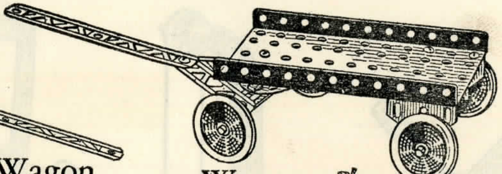


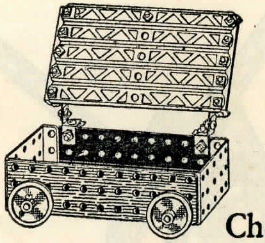
Windmill

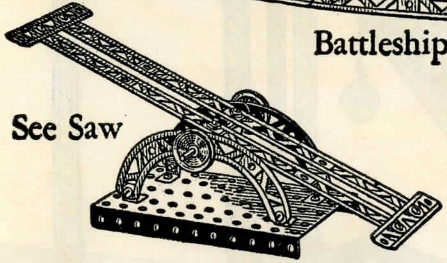
Models Built with No. 1 and 1½ Erector

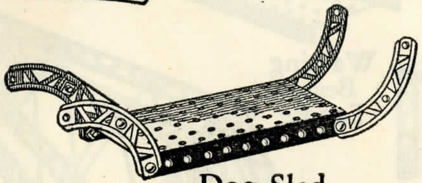

Battleship

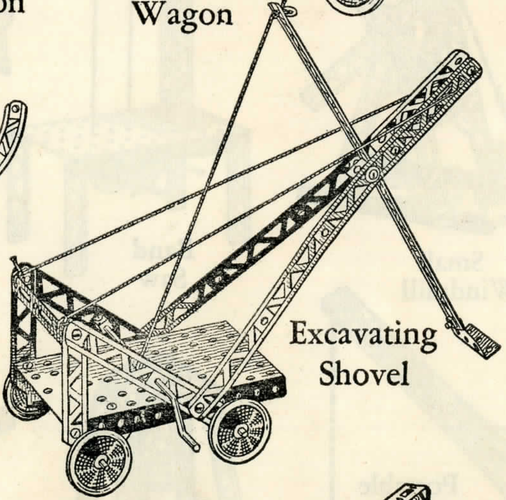

Express Wagon

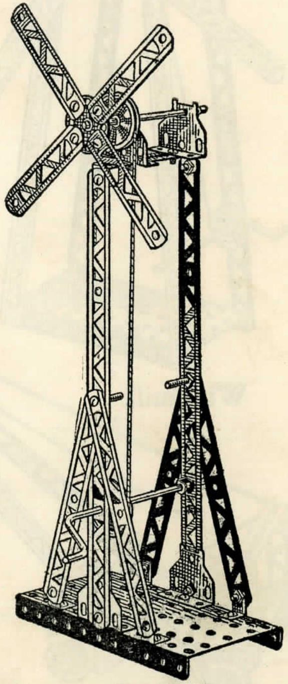

Wagon

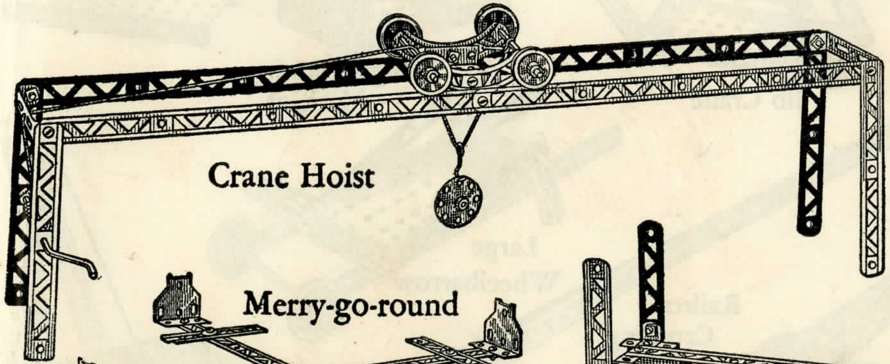

Chest

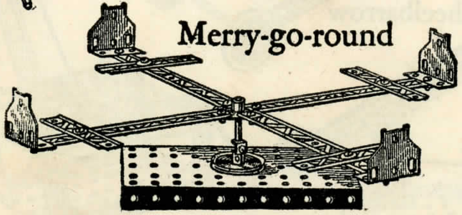

See Saw

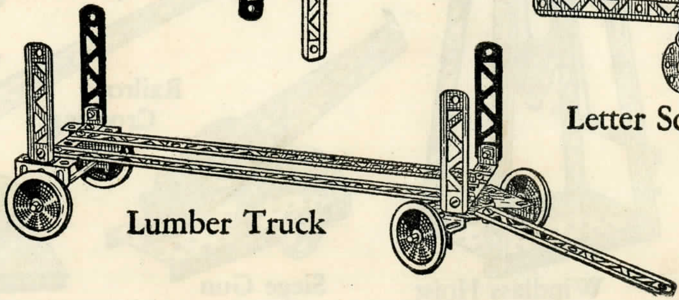

Dog Sled

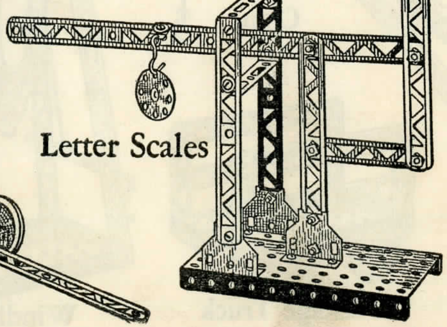

Excavating Shovel


Windmill Pump

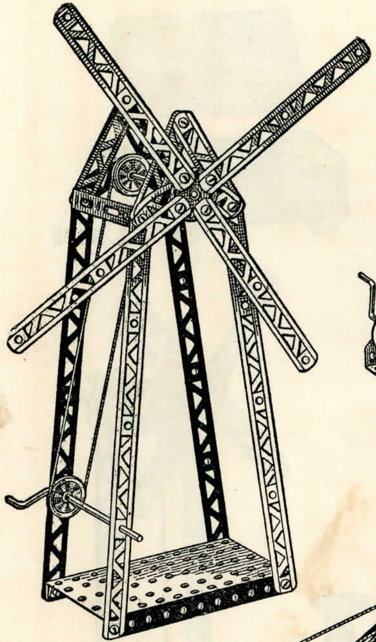

Crane Hoist

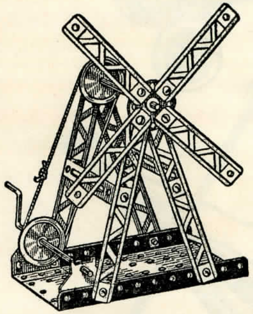

Merry-go-round

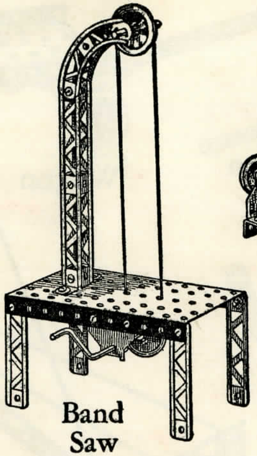

Lumber Truck

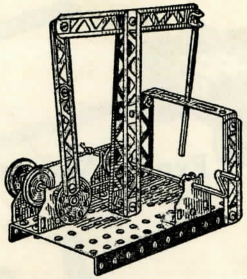

Letter Scales

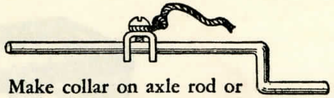
Models Built with No. 1 and 1½ Erector

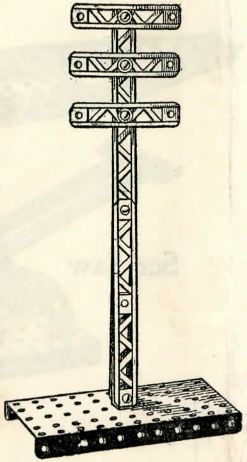

Windmill

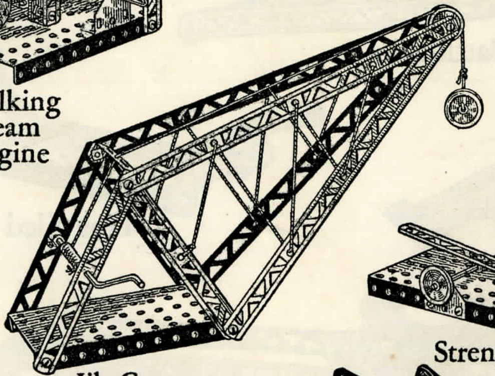

Small Windmill

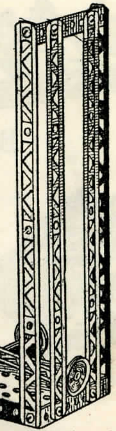

Band Saw

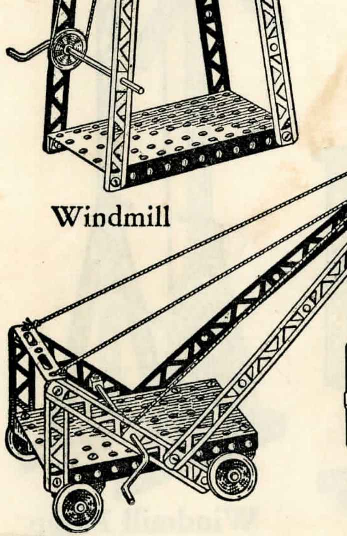

Walking Beam Engine

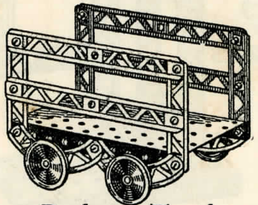

Make collar on axle rod or crank secure, and tie string around and under head of set screw

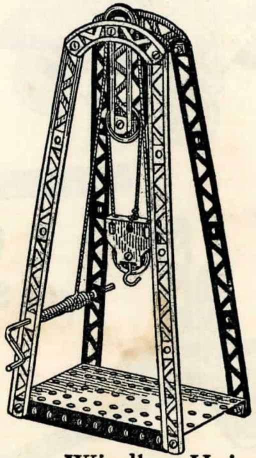

Telephone Pole

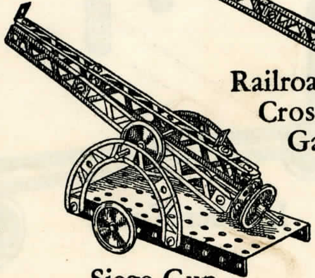

Jib Crane

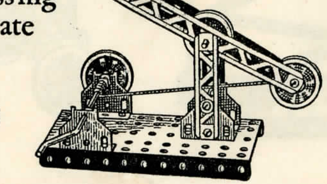

Strength Testing Machine

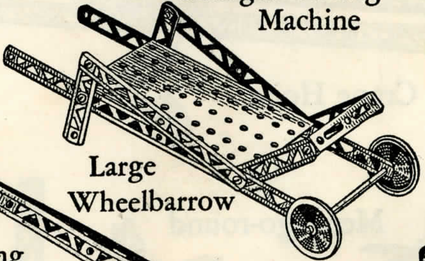

Portable Crane

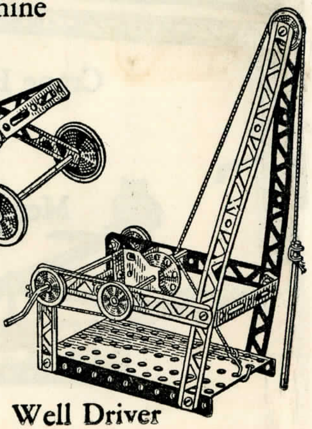

Package Truck


Windlass Hoist

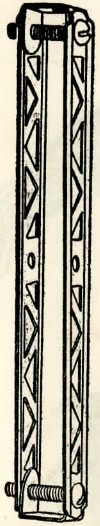

Siege Gun


Railroad Crossing Gate

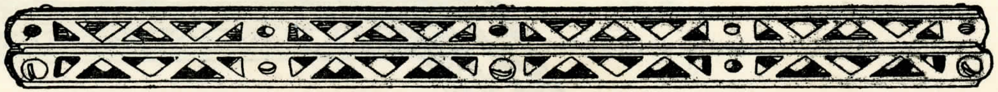

Large Wheelbarrow


Well Driver

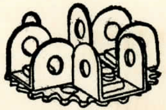
STANDARD DETAILS OF ERECTOR CONSTRUCTION



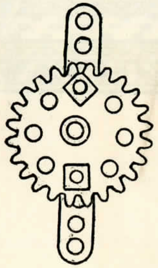
Parallel Beam



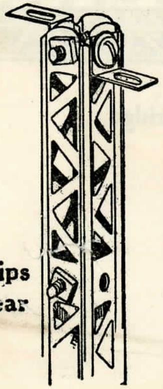
10 in. Square Girder



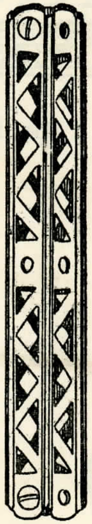
Method of fastening Double Angles to Pierced Disc



Fastening Strips to Pierced Gear

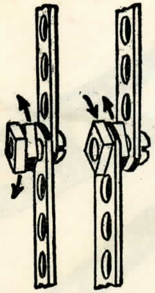


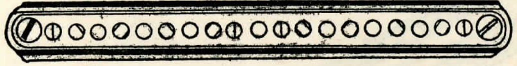
How Channel Keeps Angle in Position



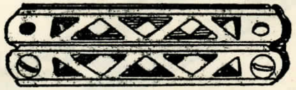
5 in. Square Girder

Method of locking nuts to permit strips to swivel. Turn nuts in opposite direction as shown by arrows.

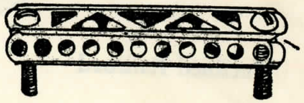




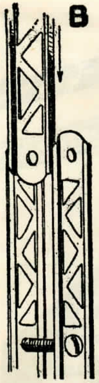
—Showing method of making bearings for axle

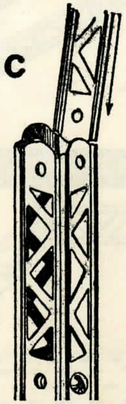


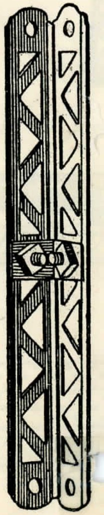
—2½ in. Square Girder



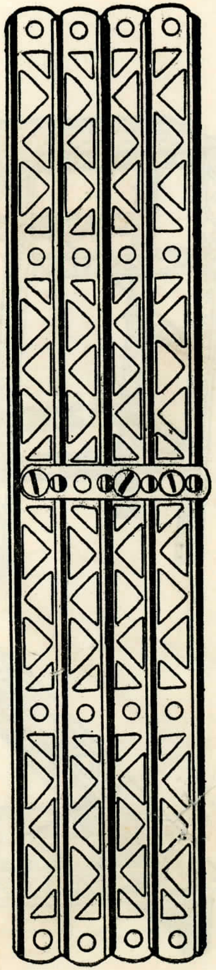
—2½ in. I-beam



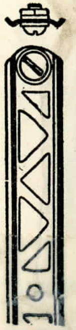




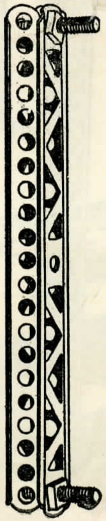
—Angle Iron



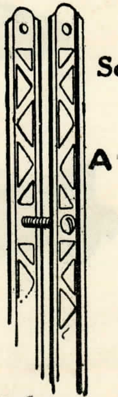
Flooring Construction

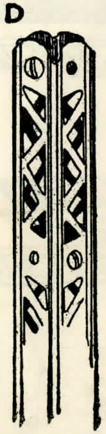


use washers to prevent screw from protruding too far beyond girder



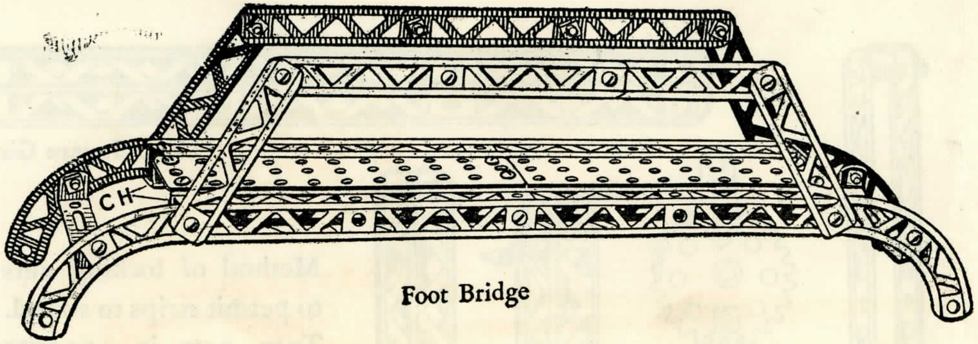
5 in. I-beam



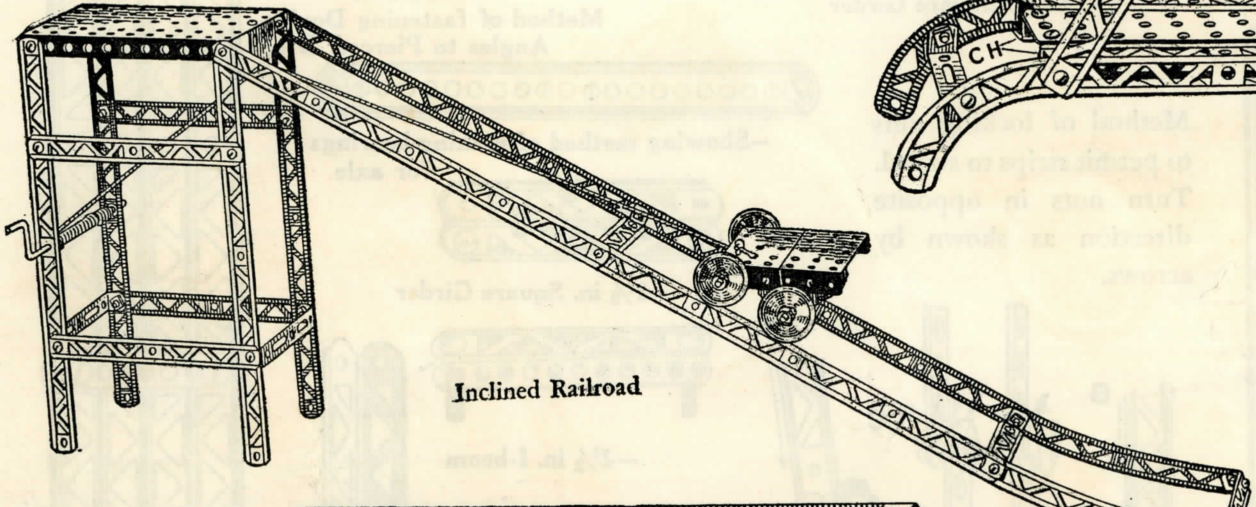


To construct a Square Girder commence by putting a long screw through center holes of two girders, as in A; then separate the two, take another girder pushing it down into the grooves or channels, as in B. Having assembled the three sides, take the fourth girder and likewise insert it into the grooves or channels, as in C; then slide it down until the two are flush, which makes a square column girder.

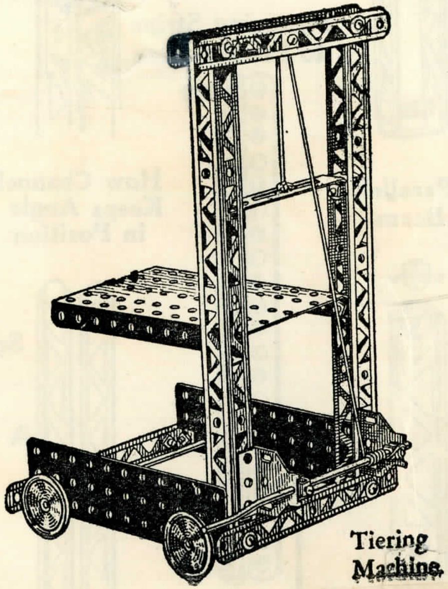
Models Built with No. 2½ and 3 Erector



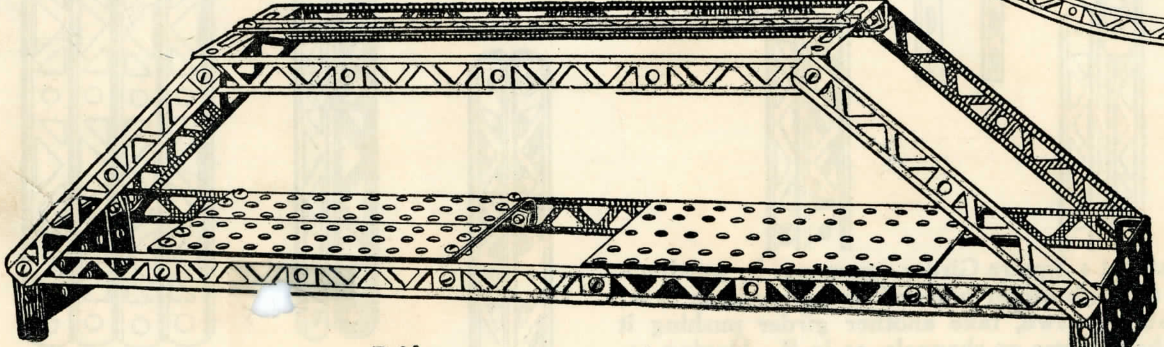
Foot Bridge



Inclined Railroad

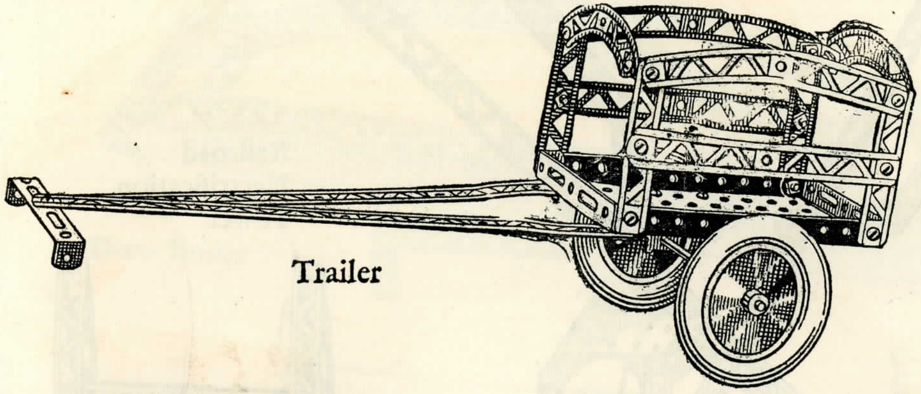


Tiering Machine

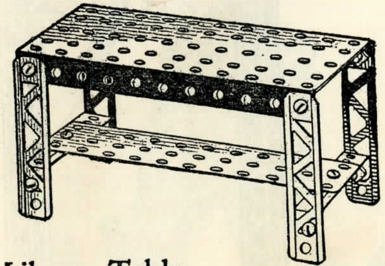


Bridge

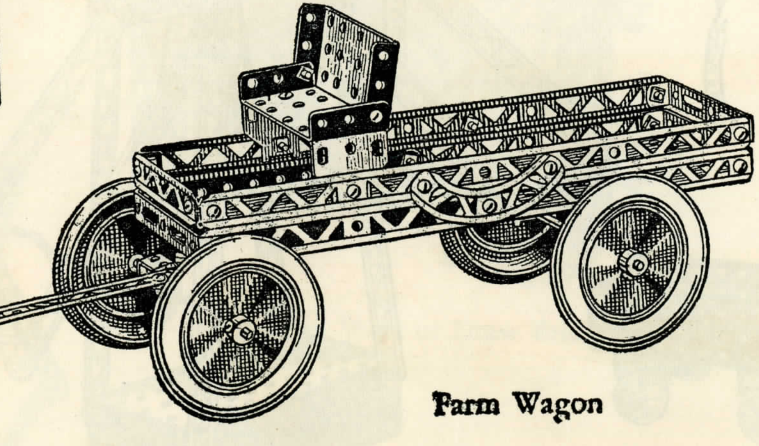
Models Built with No. 2½ and 3 Erector



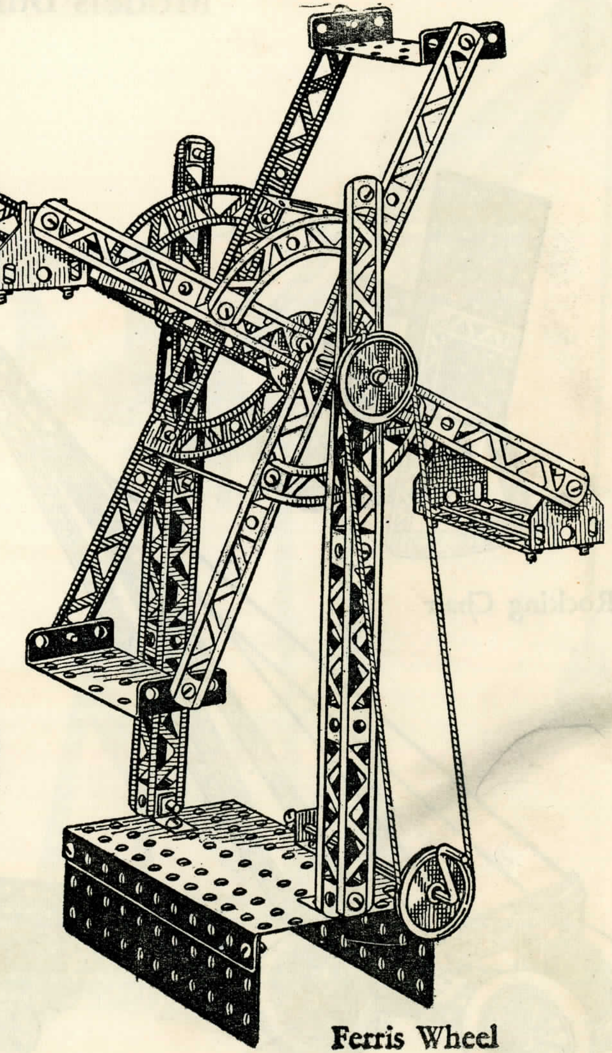
Trailer



Library Table

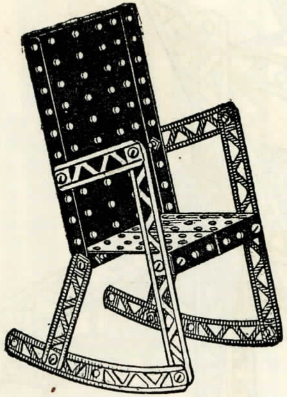


Farm Wagon

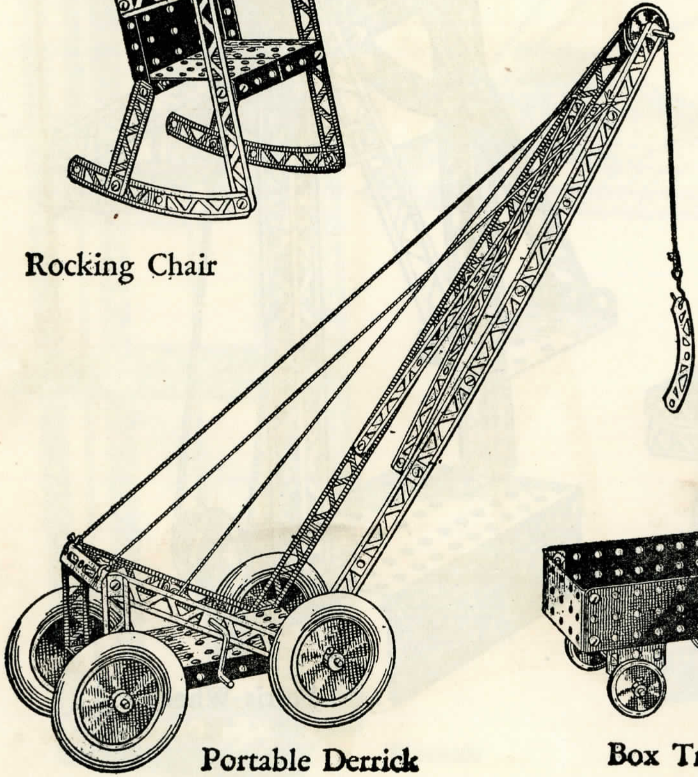


Ferris Wheel

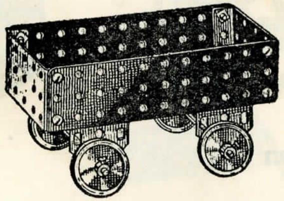
Models Built with No. 2½ and 3 Erector



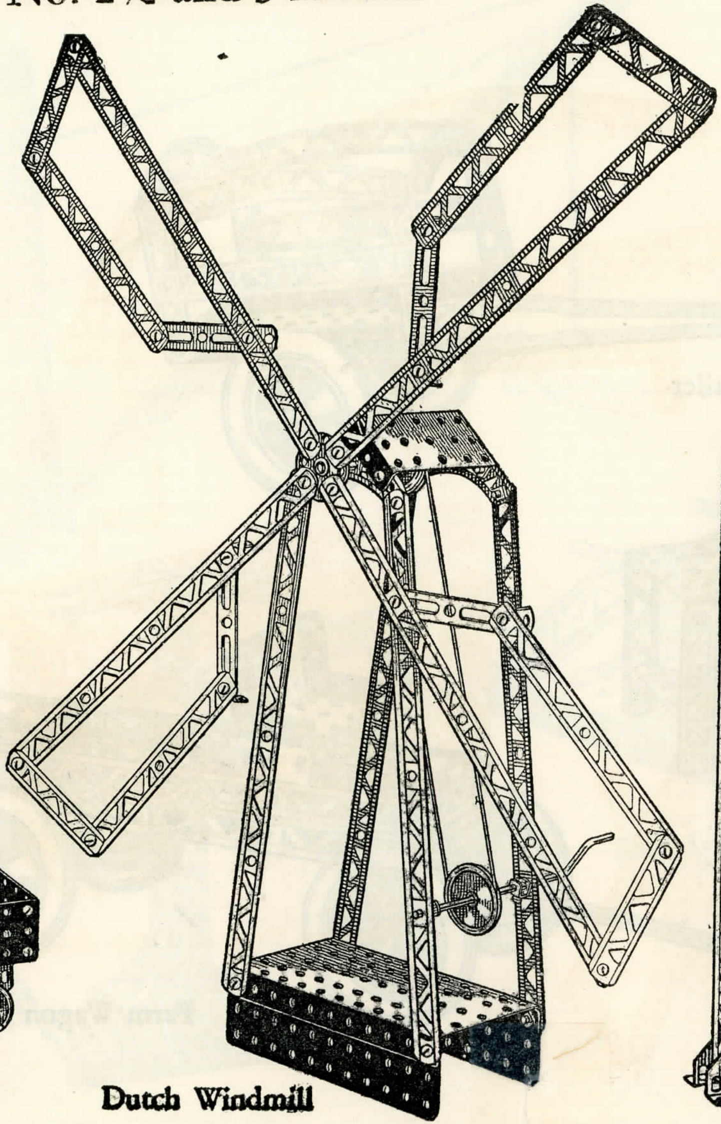
Rocking Chair



Portable Derrick

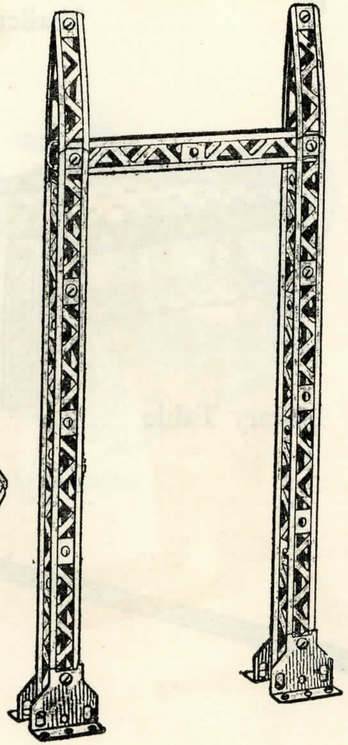


Box Truck

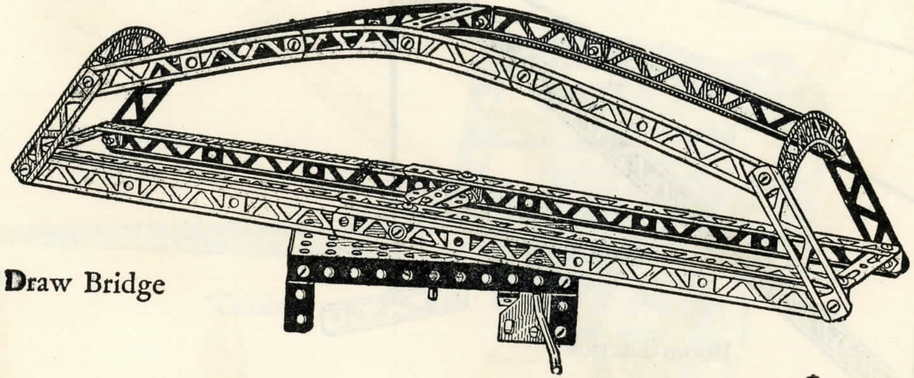


Dutch Windmill

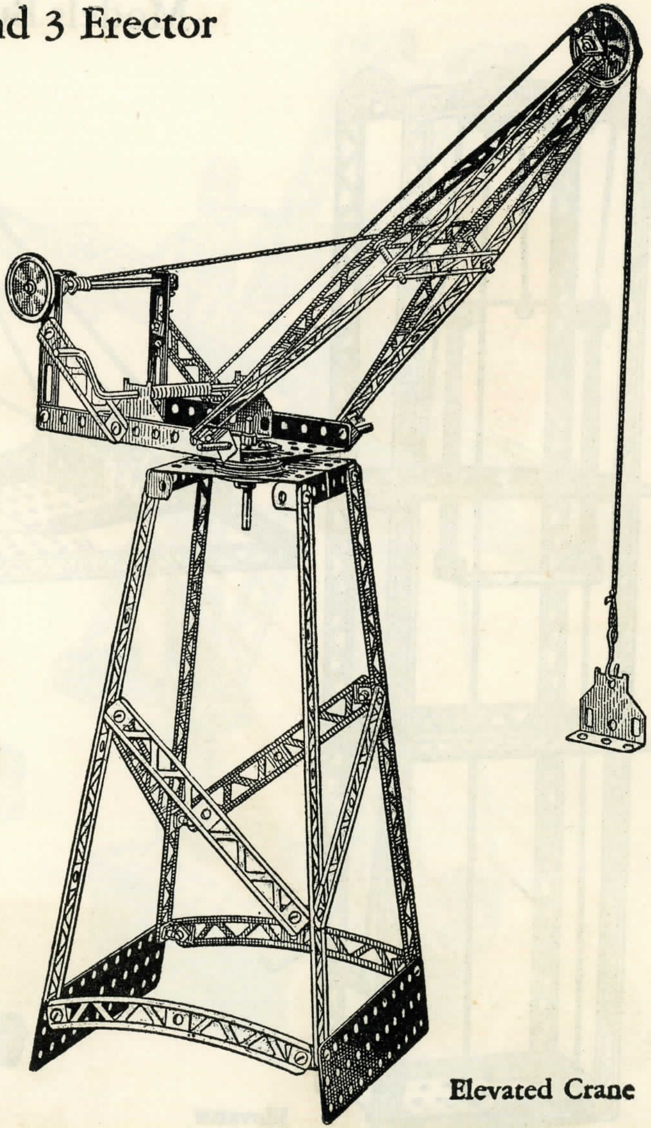
Railroad
Electrification
Tower



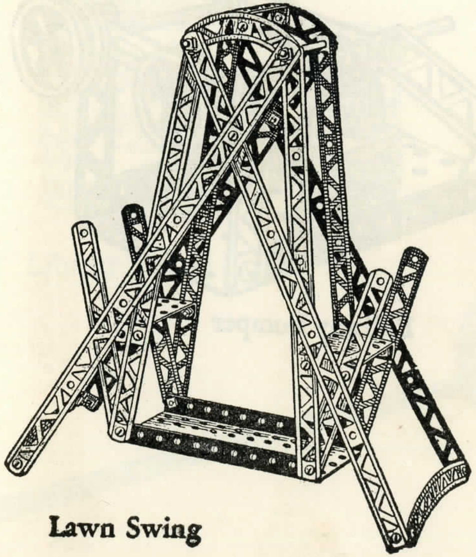
Models Built with No. 2½ and 3 Erector



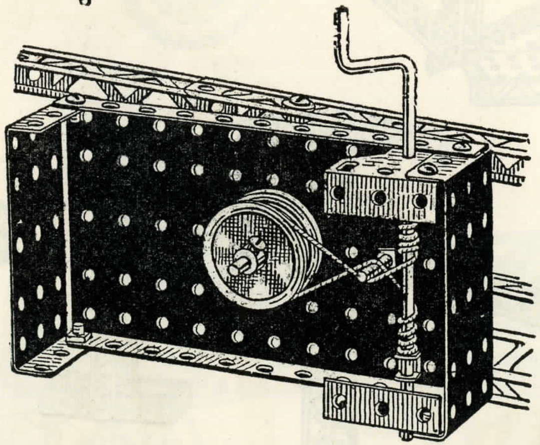
Draw Bridge



Elevated Crane

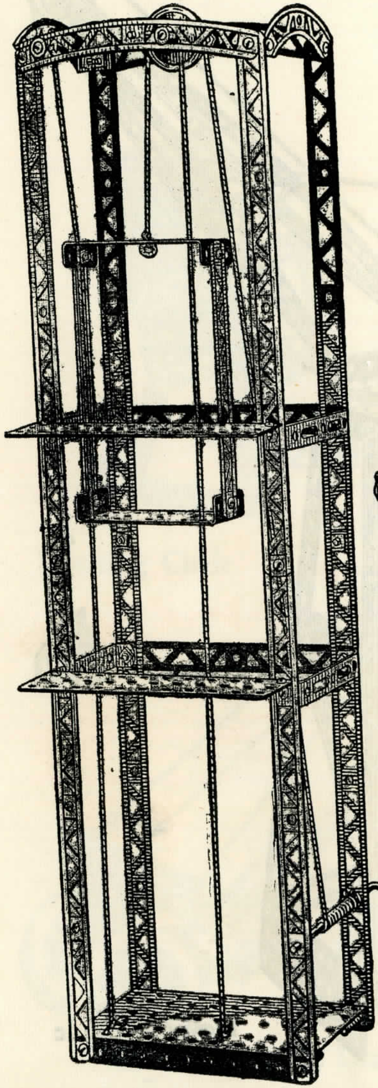


Lawn Swing

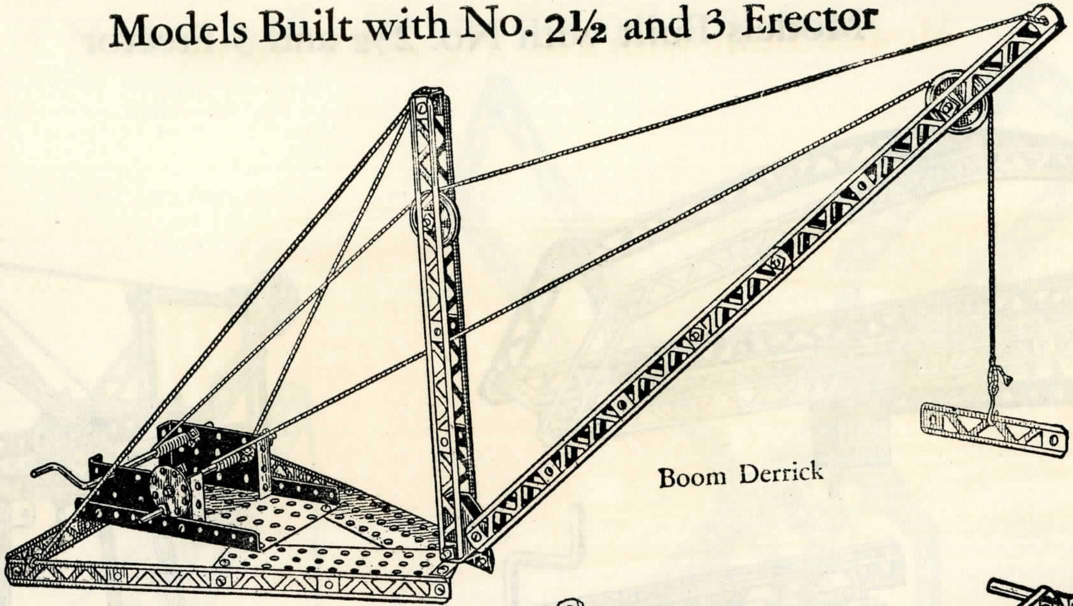


Bottom View of Draw Bridge

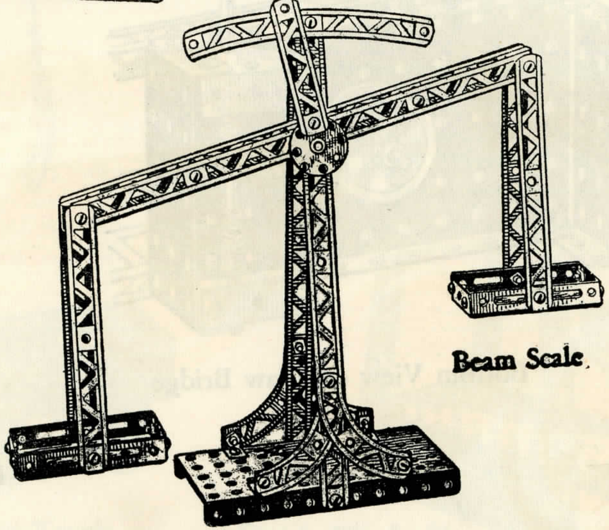
Models Built with No. 2½ and 3 Erector



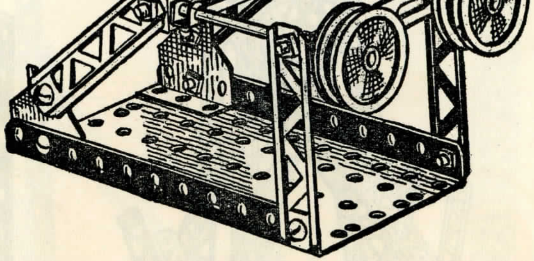
Elevator



Boom Derrick

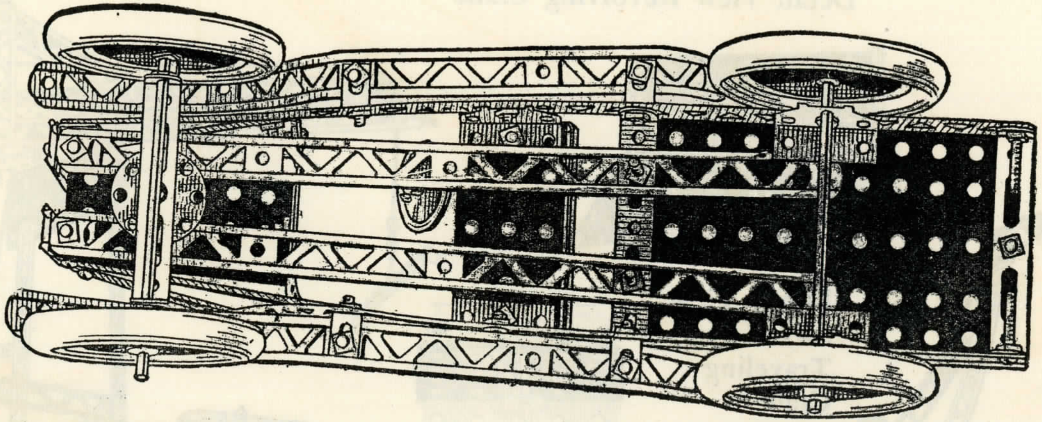


Beam Scale

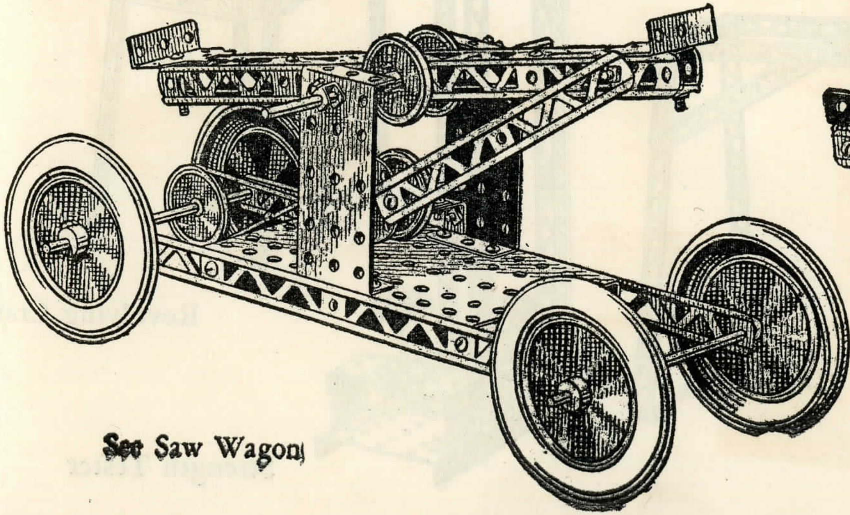


Railway Bumper

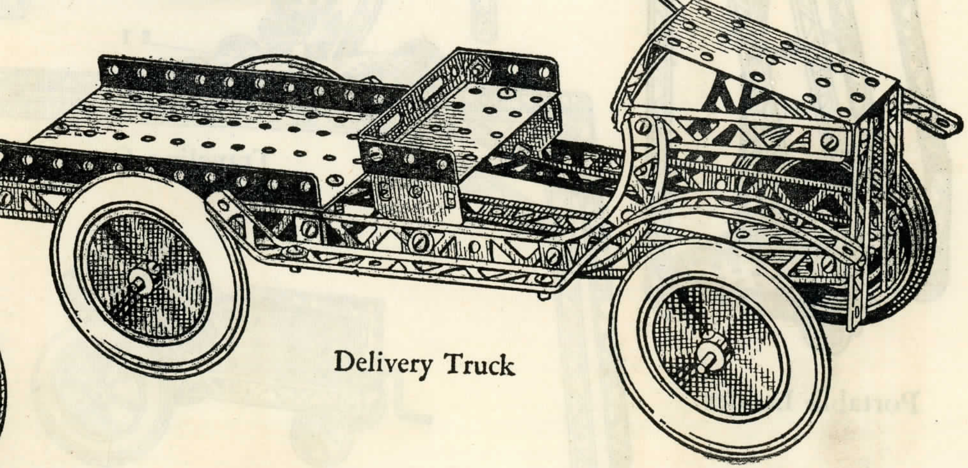
Models Built with No. 2½ and 3 Erector



Bottom View
Delivery Truck

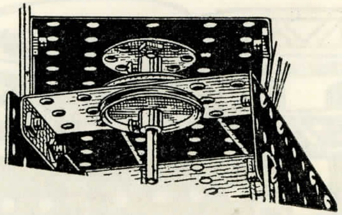


See Saw Wagon

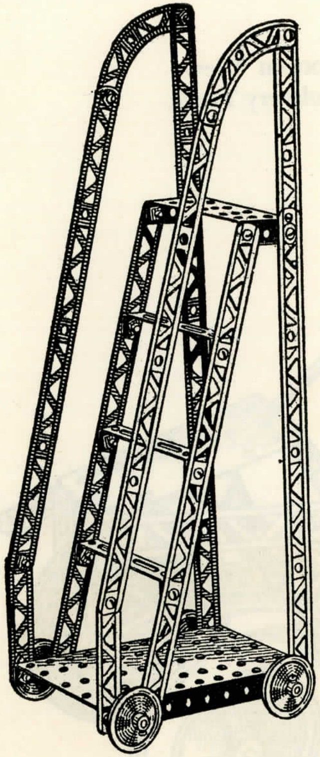


Delivery Truck

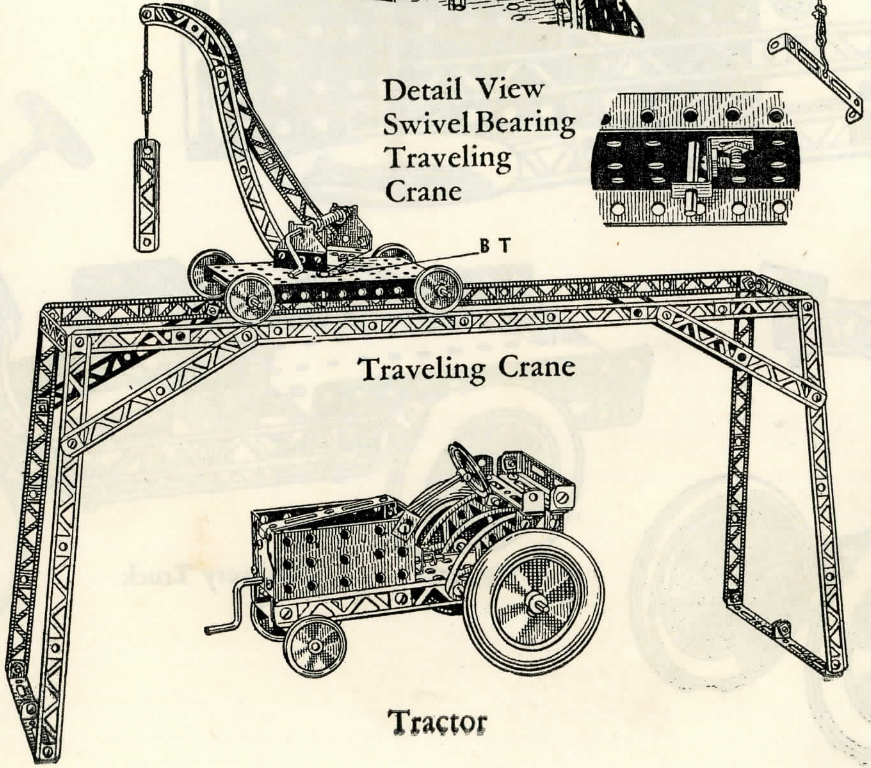
Models Built with No. 2½ and 3 Erector



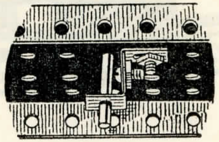
Detail View Revolving Crane



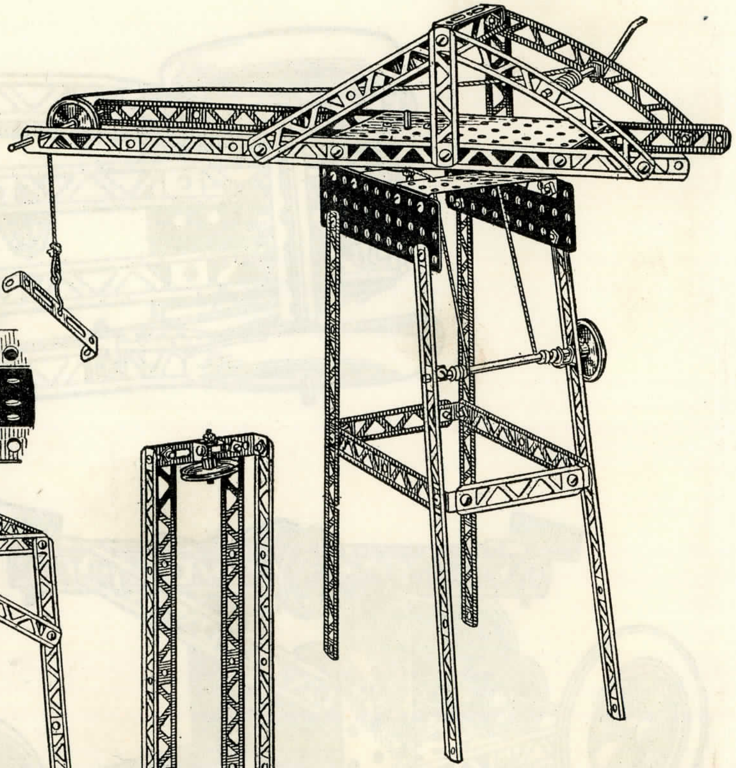
Portable Ladder



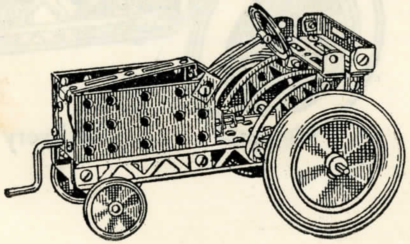
Traveling Crane



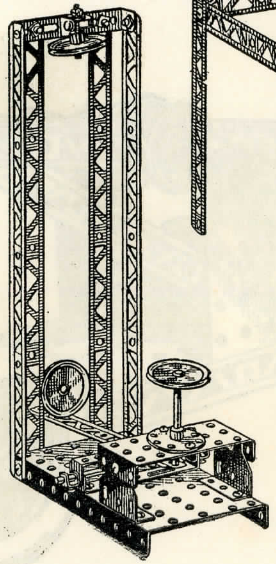
Detail View Swivel Bearing Traveling Crane



Revolving Crane

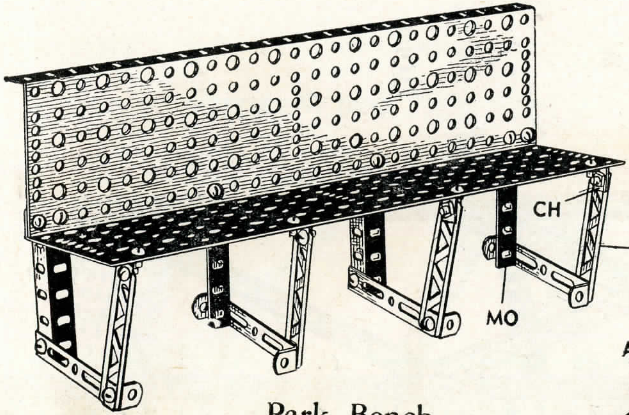


Tractor

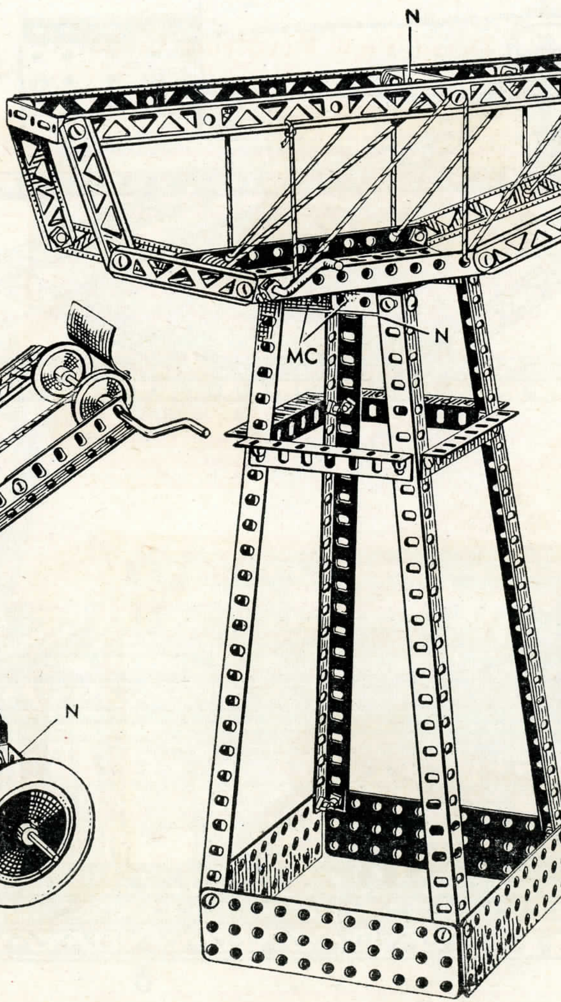


Strength Tester

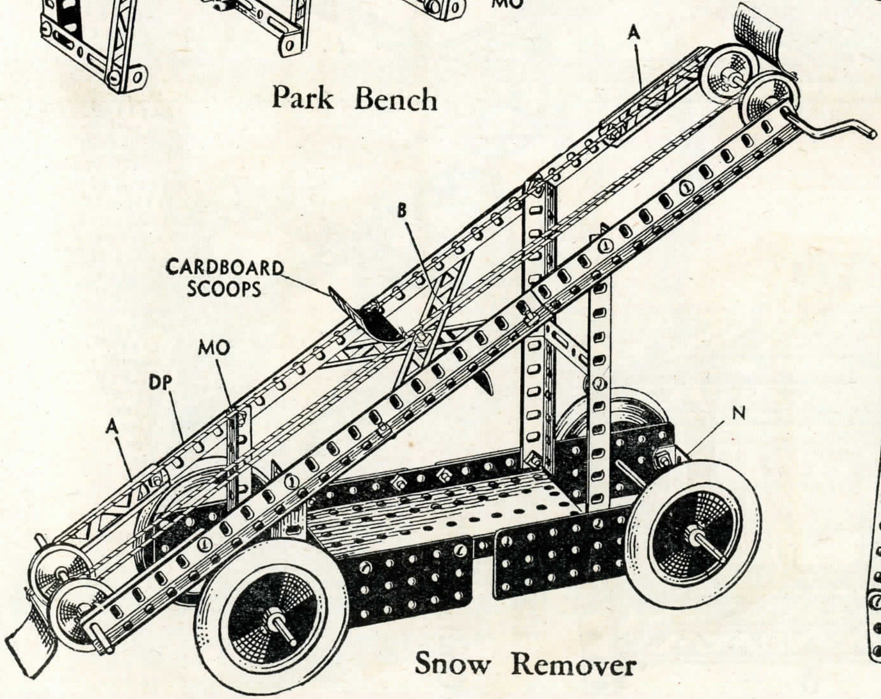
Models Built with No. 3½ Erector



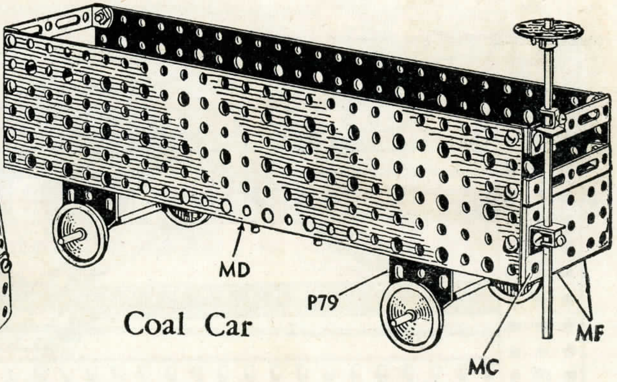
Park Bench



Revolving Dock Hoist

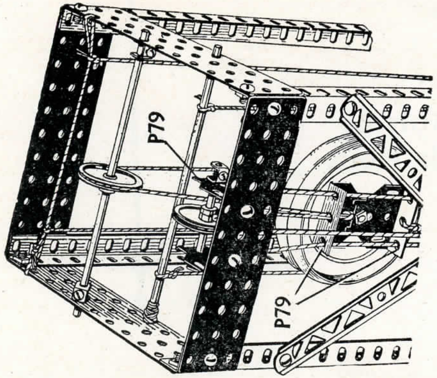


Snow Remover

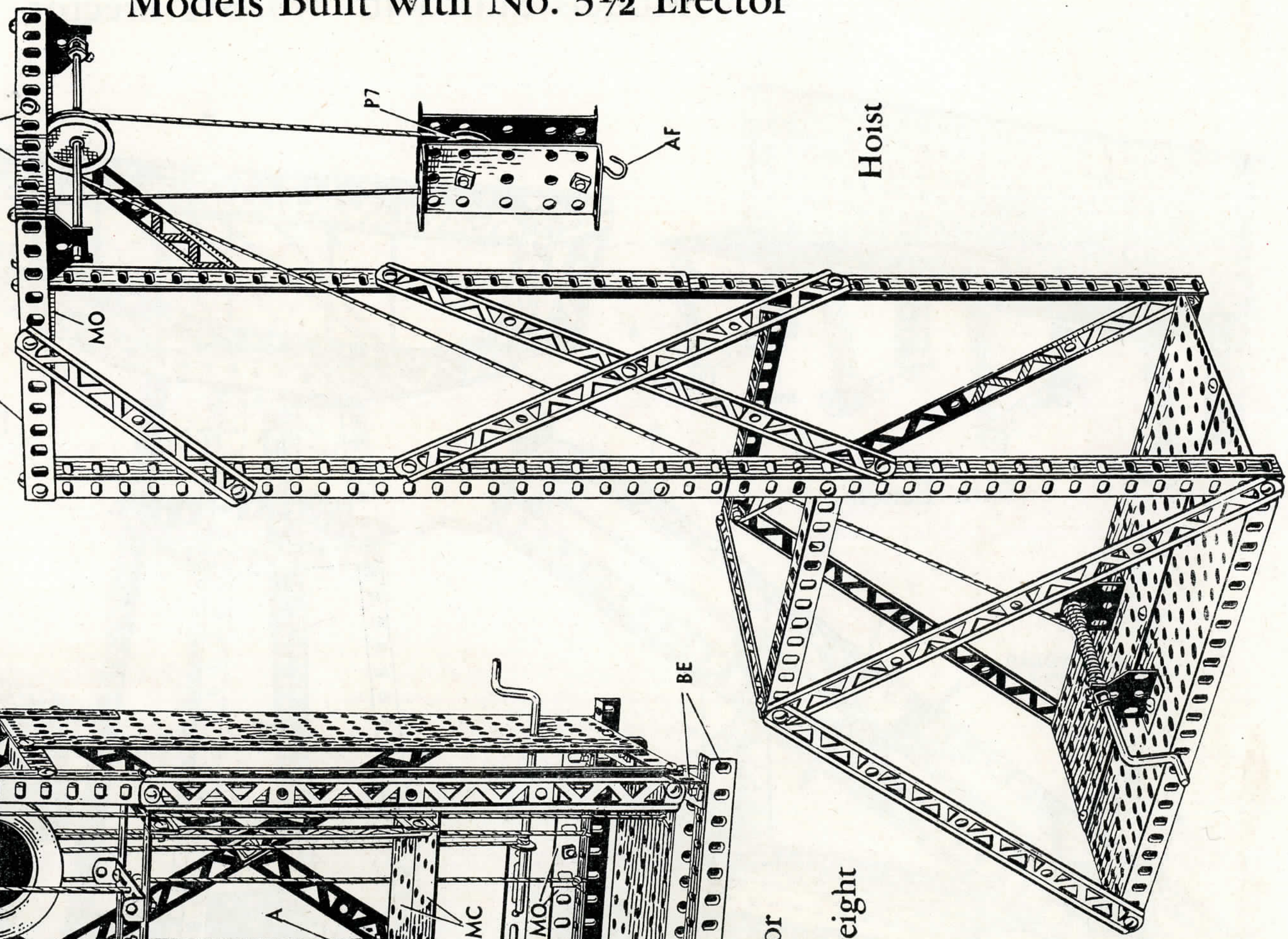


Coal Car

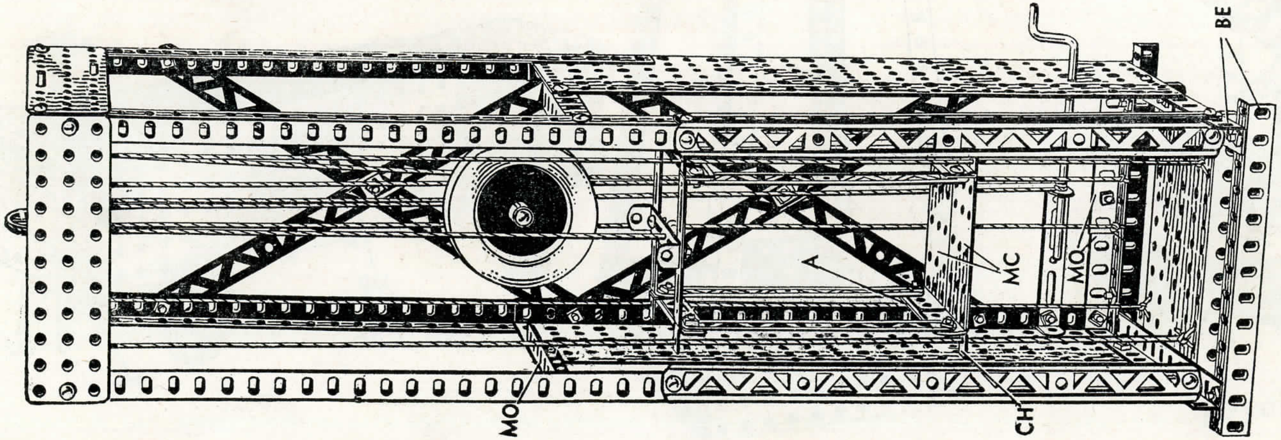
Models Built with No. 3½ Erector



Detail of Top and Counterweight

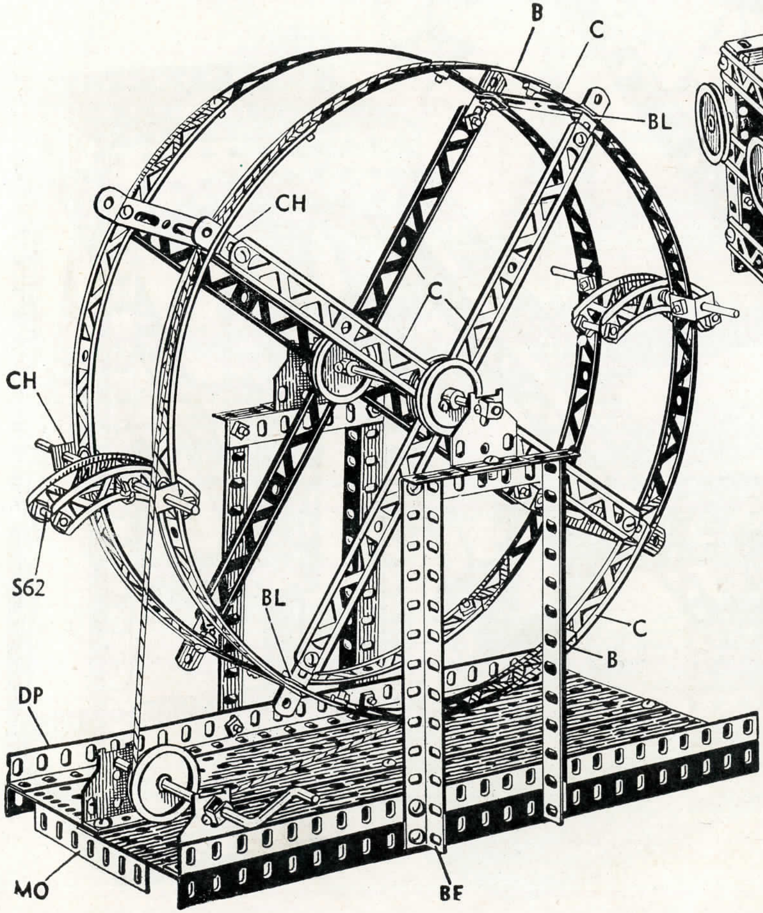


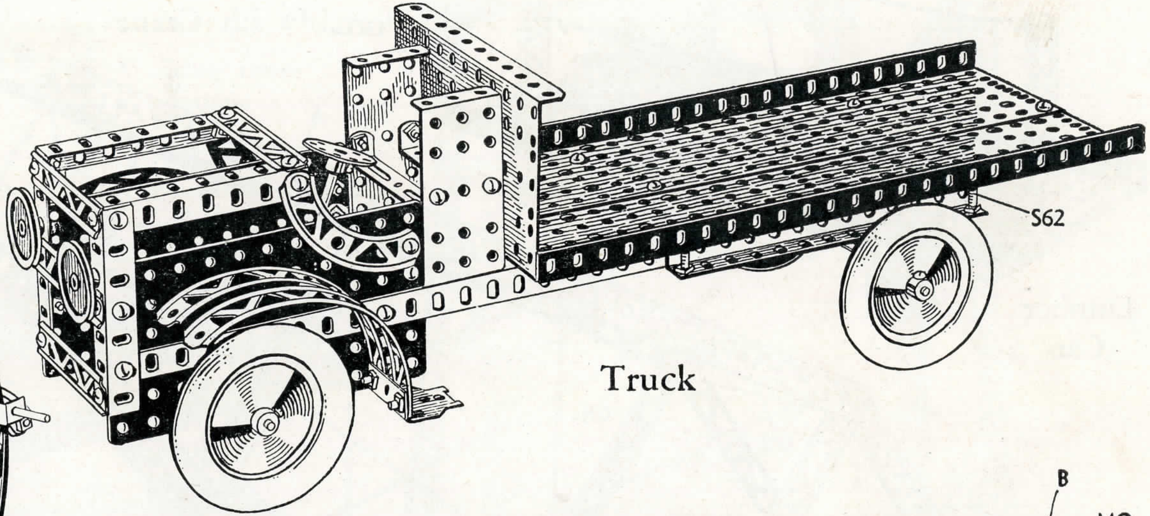
Hoist

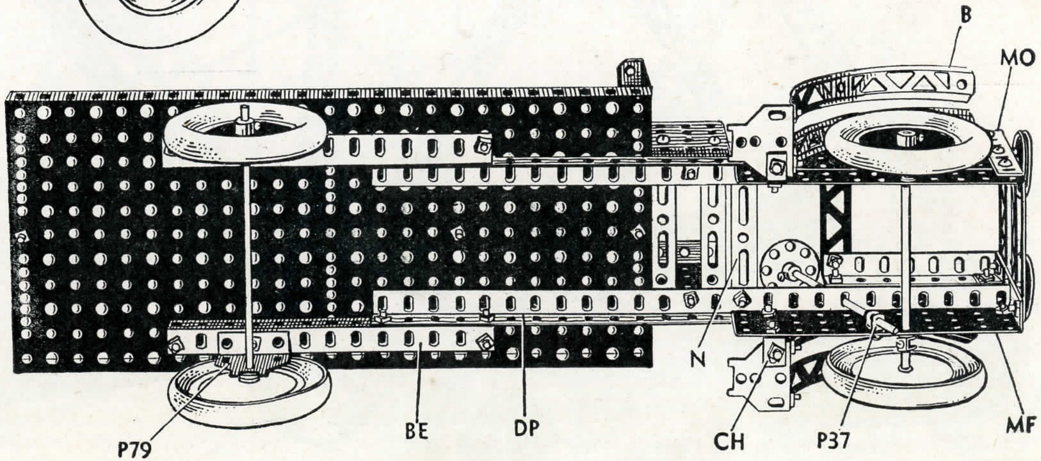


Elevator with Counterweight

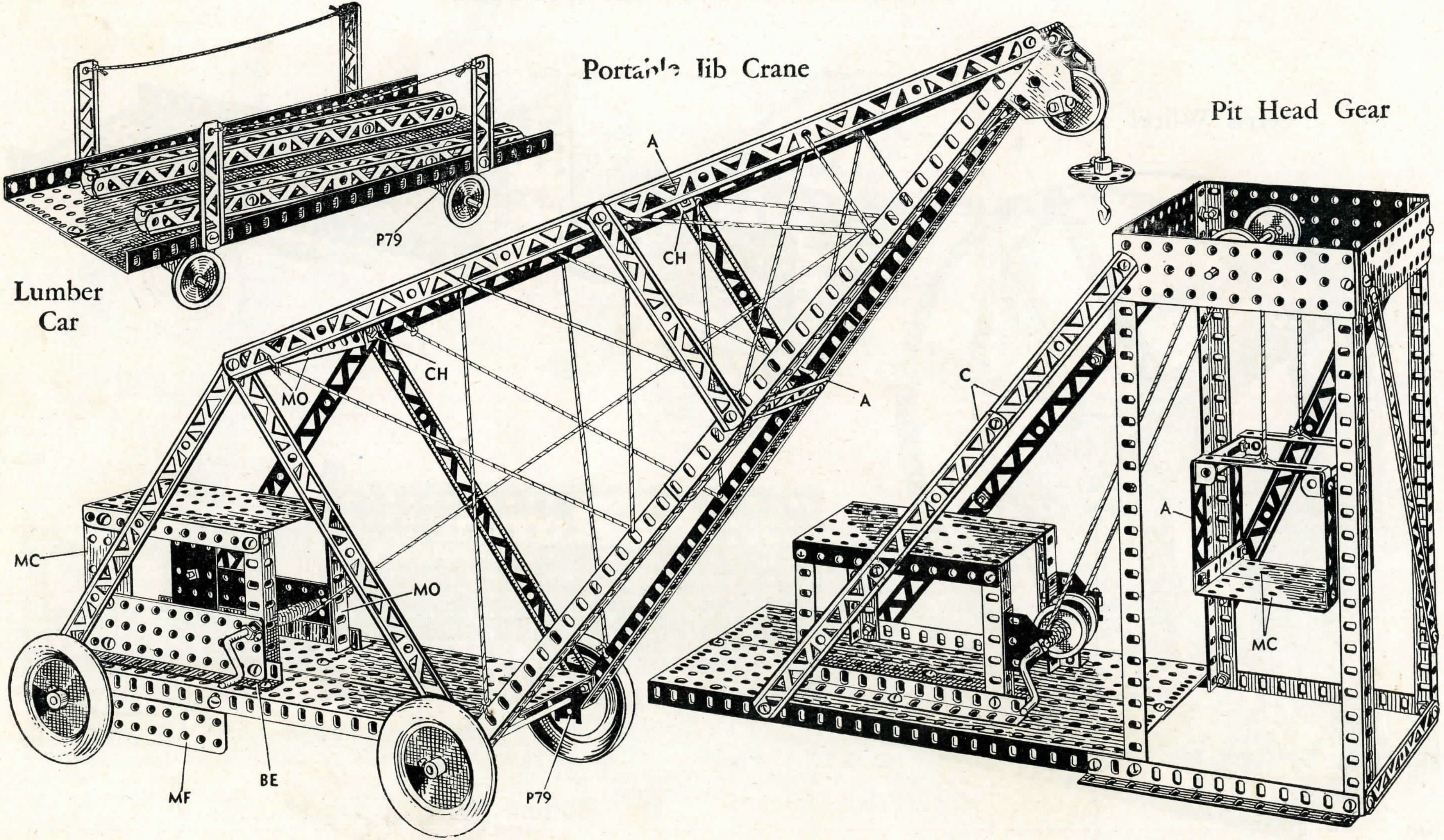
Models Built with No. 3½ Erector


Ferris Wheel


Truck


Bottom View of Truck

Models Built with No. 3½ Erector

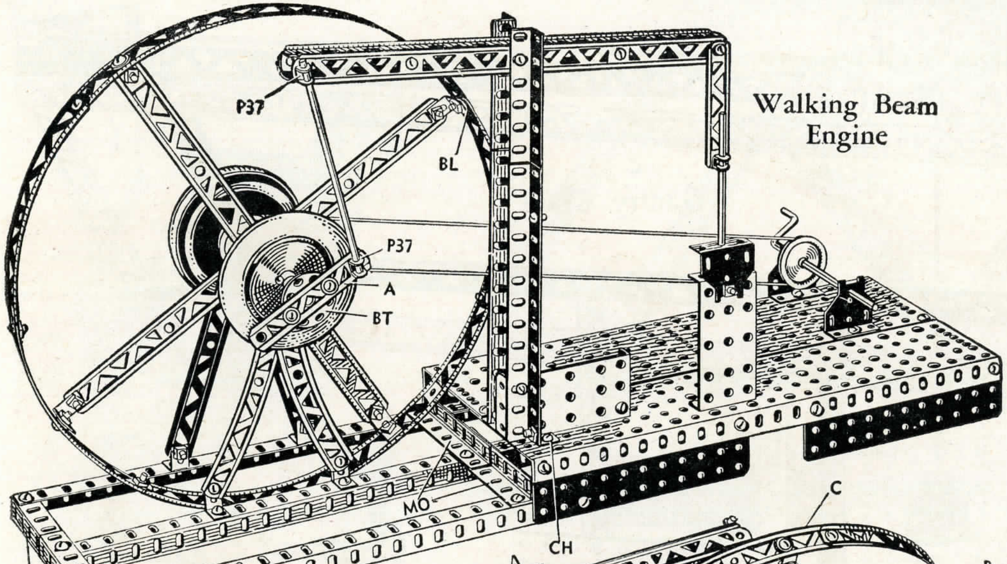


Lumber Car

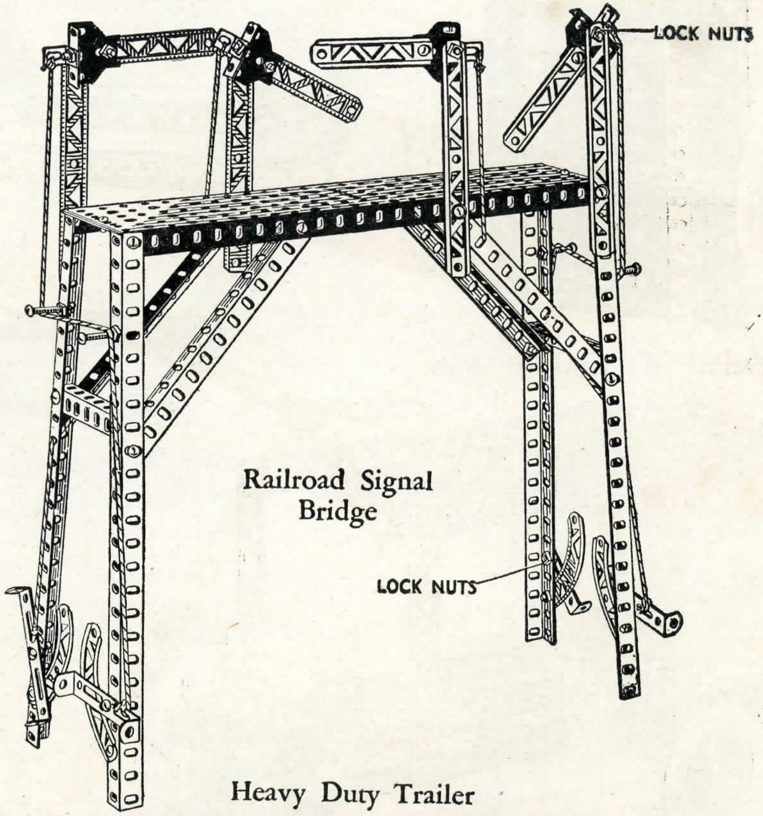
Portable Jib Crane

Pit Head Gear

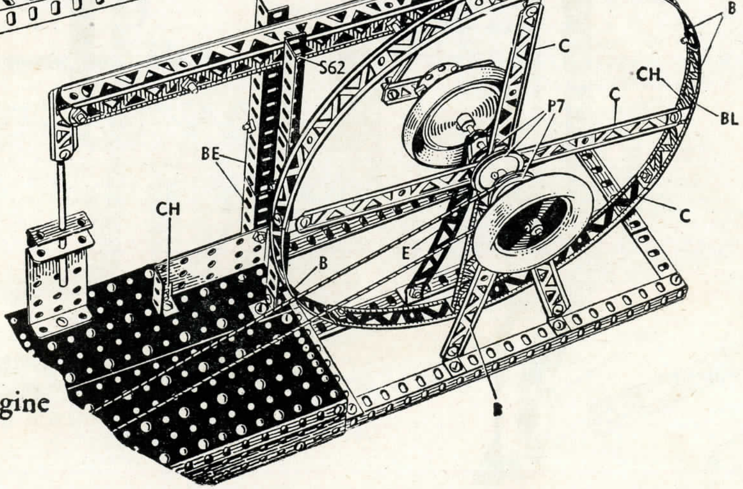
Models Built with No. 3½ Erector



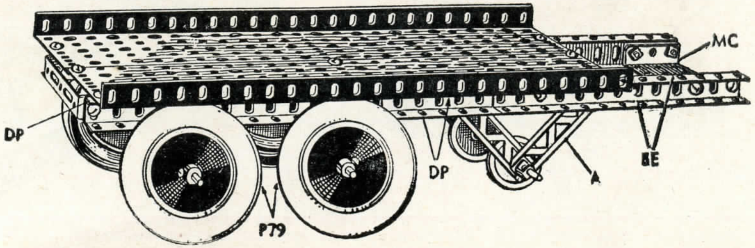
Walking Beam Engine



Railroad Signal Bridge

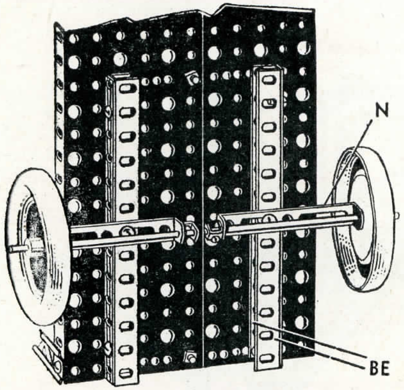


Detail View Walking Beam Engine

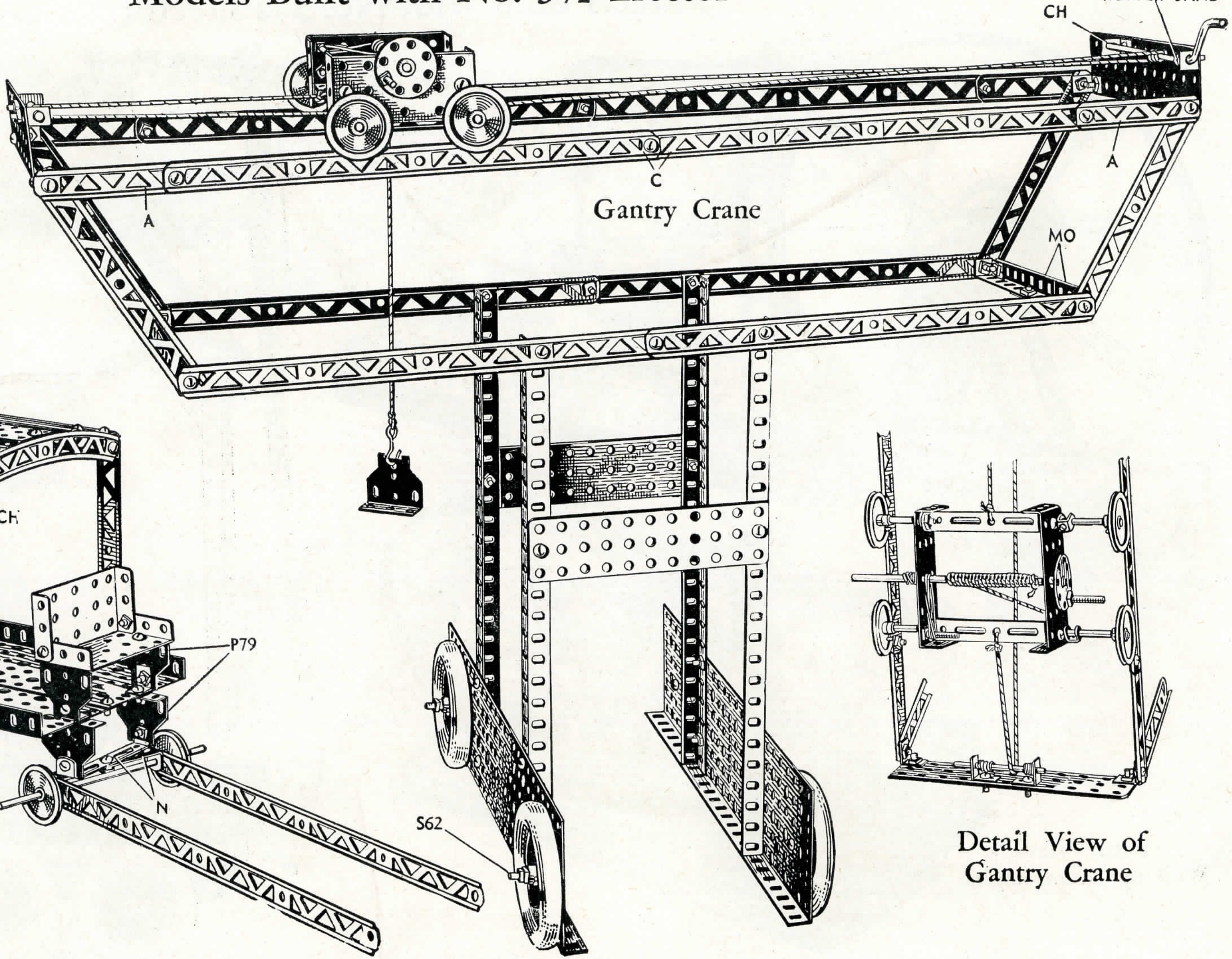


Heavy Duty Trailer

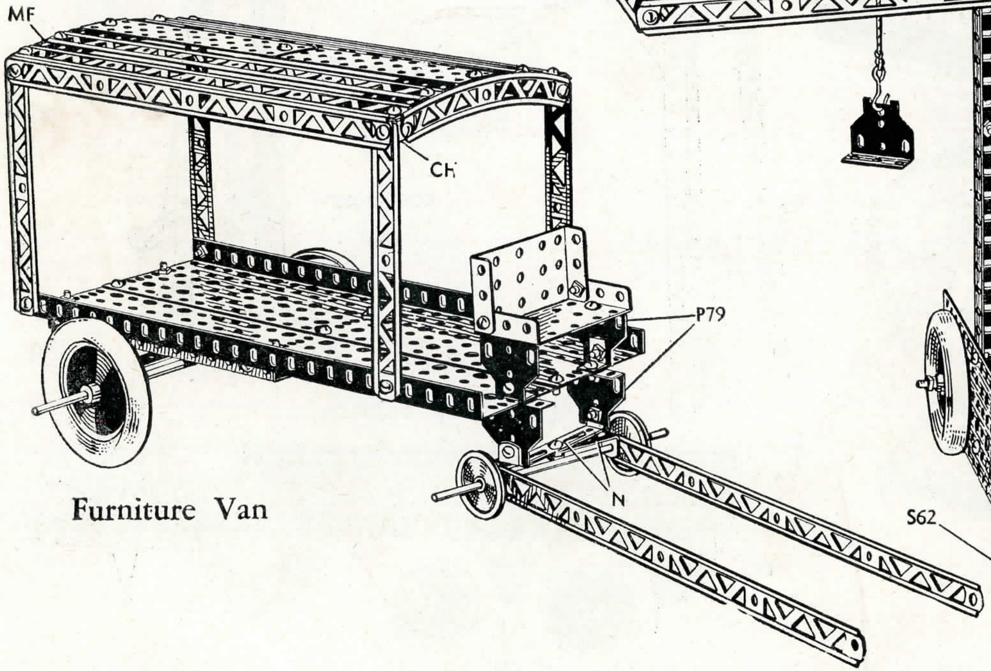
Models Built with No. 3½ Erector



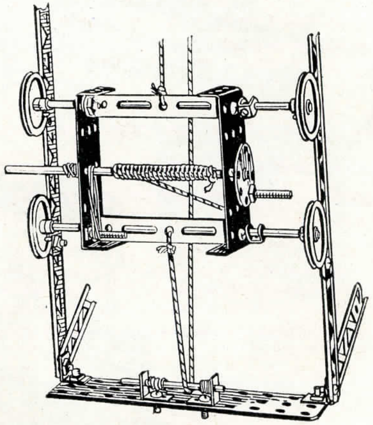
Detail of Furniture Van



Gantry Crane

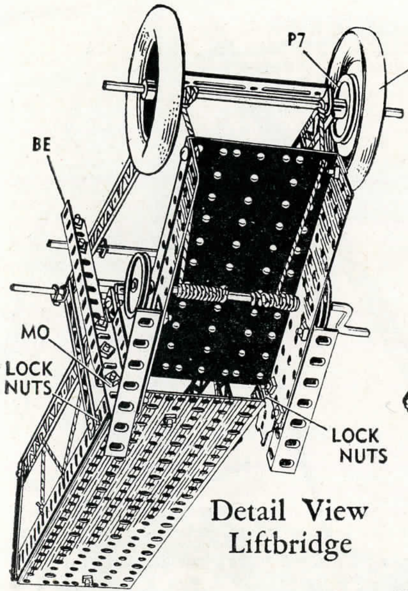


Furniture Van

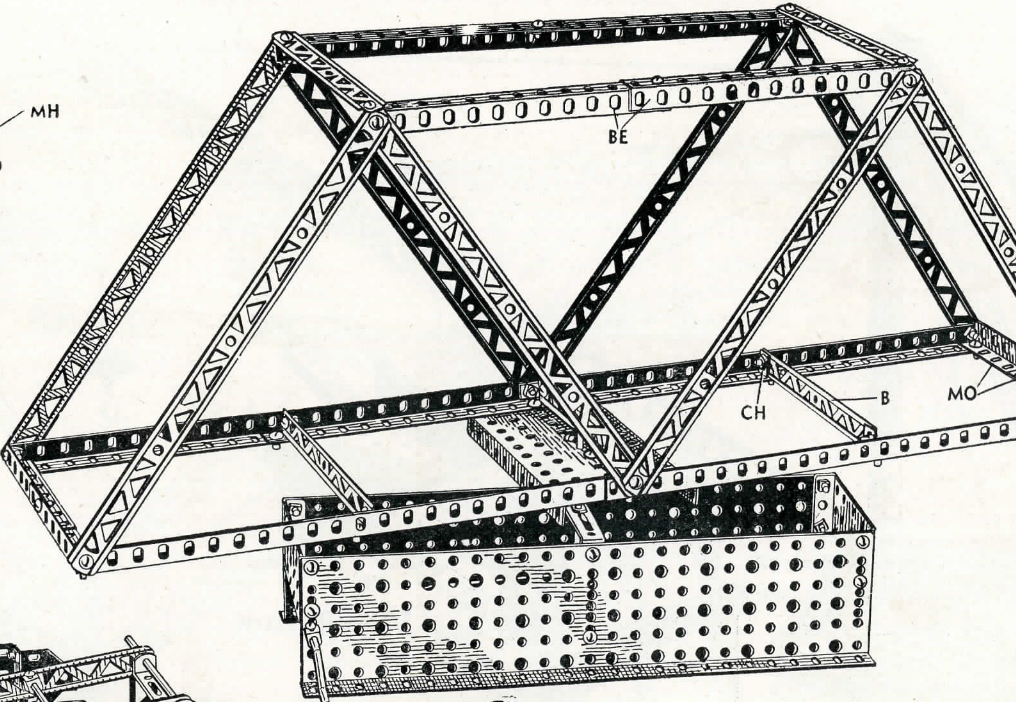


Detail View of Gantry Crane

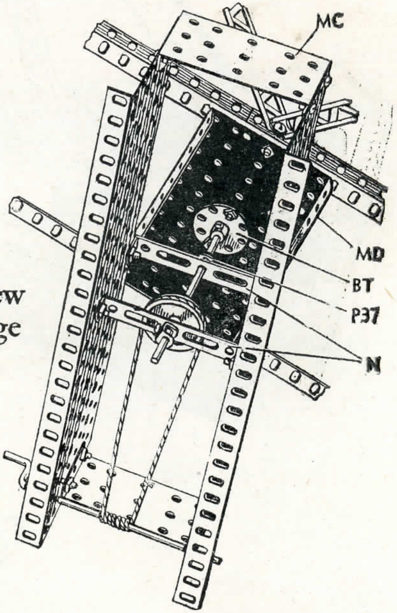
Models Built with No. 3½ Erector



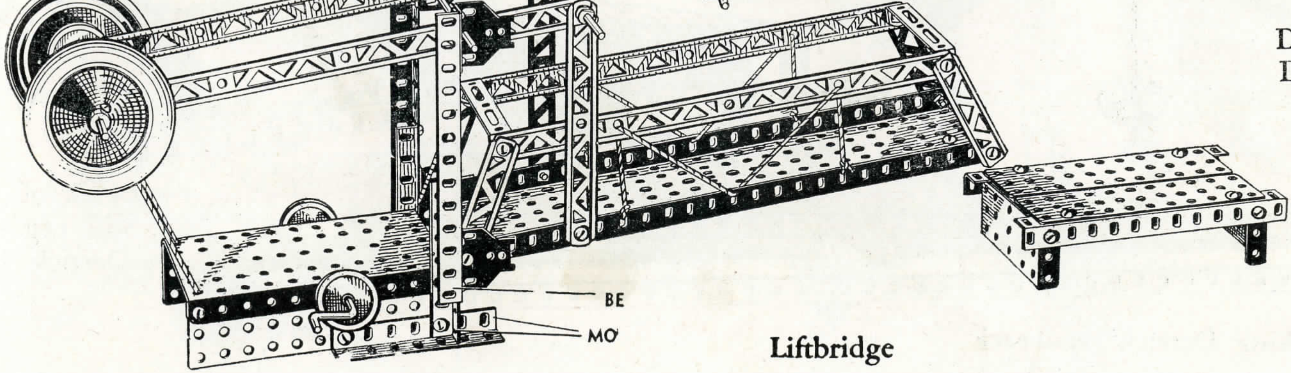
Detail View Liftbridge



Drawbridge

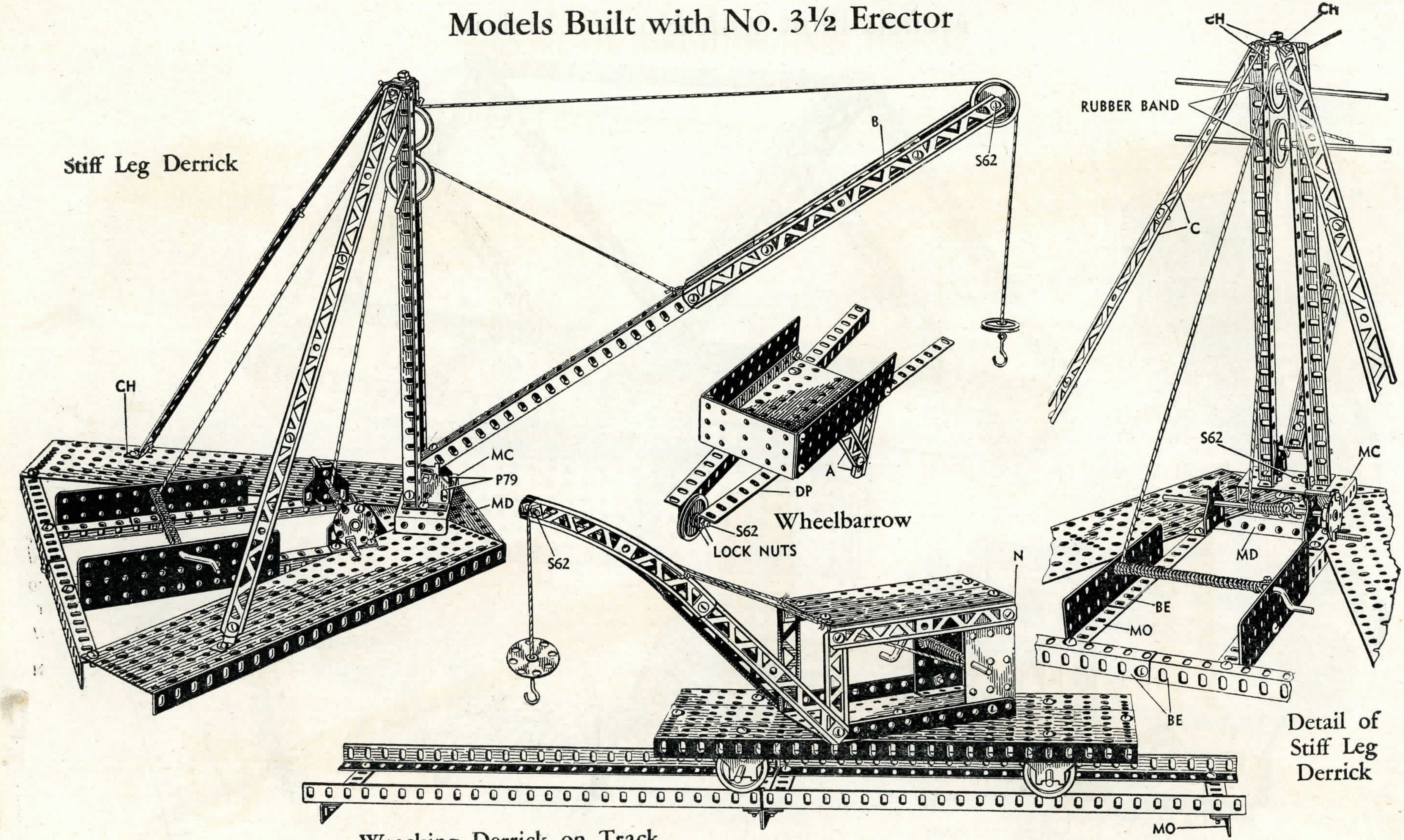


Detail View Drawbridge



Liftbridge

Models Built with No. 3½ Erector



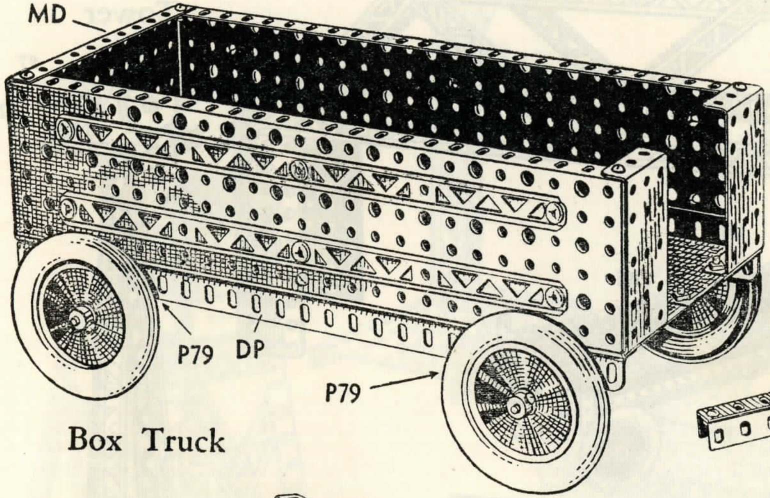
Stiff Leg Derrick

Wheelbarrow

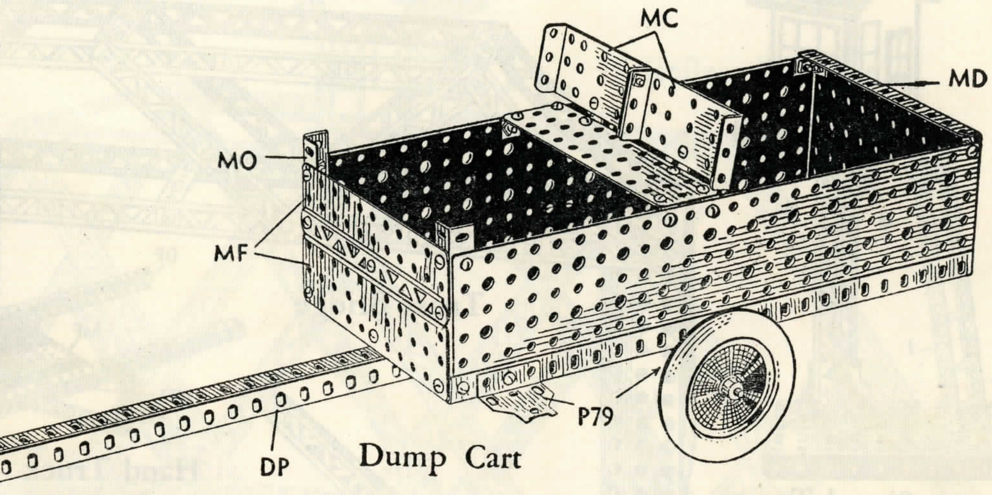
Wrecking Derrick on Track

Detail of Stiff Leg Derrick

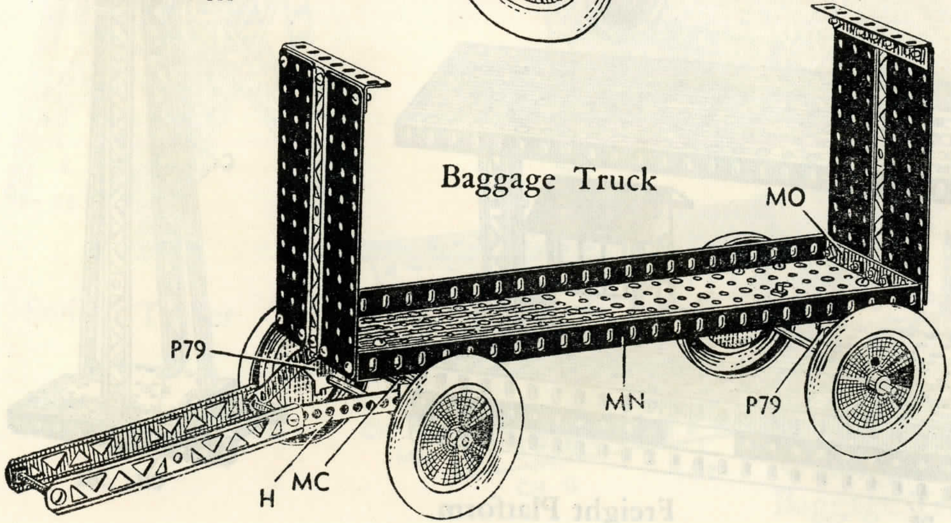
Models Built with No. 4½ Erector



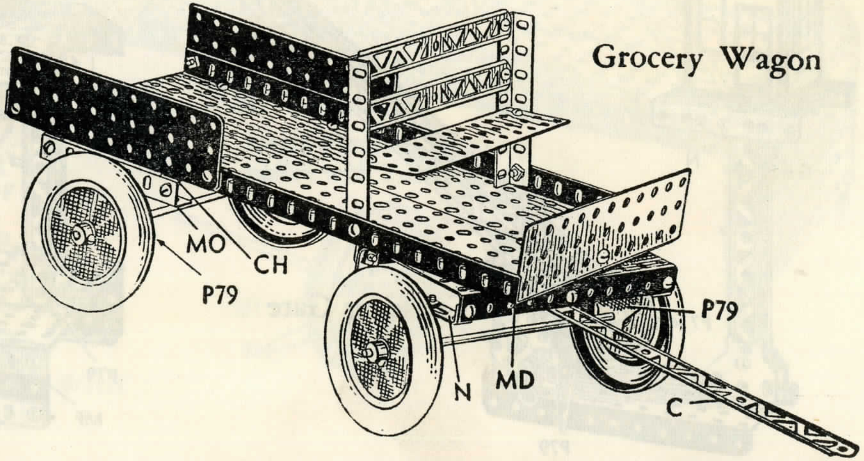
Box Truck



Dump Cart

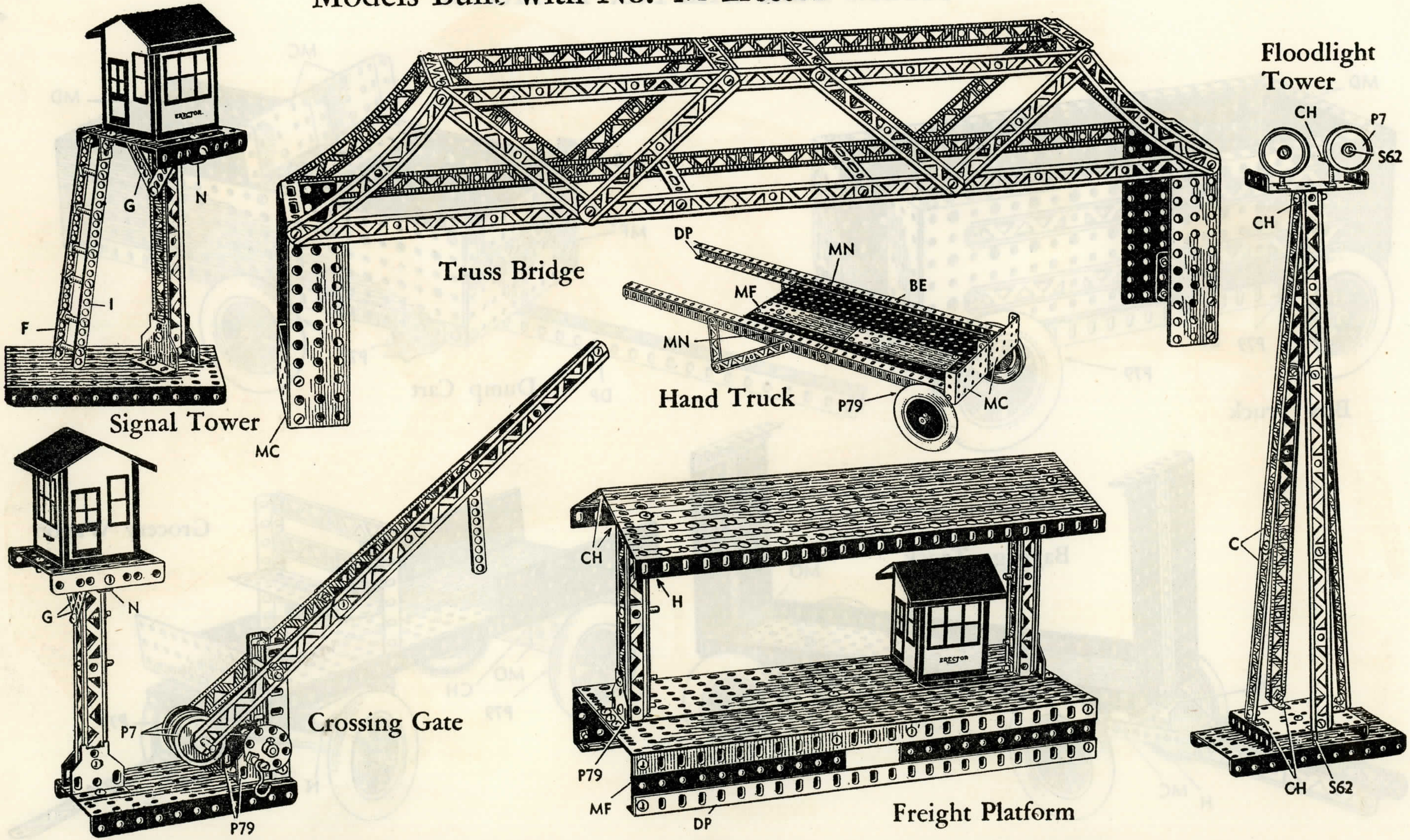


Baggage Truck



Grocery Wagon

Models Built with No. 4½ Erector



Signal Tower

Truss Bridge

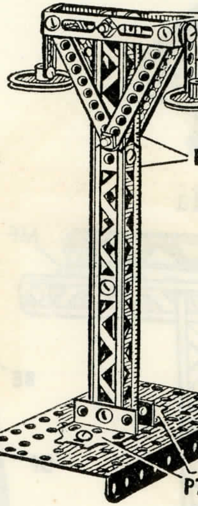
Hand Truck

Floodlight Tower

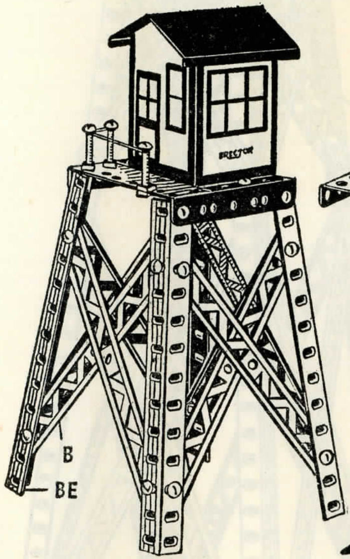
Crossing Gate

Freight Platform

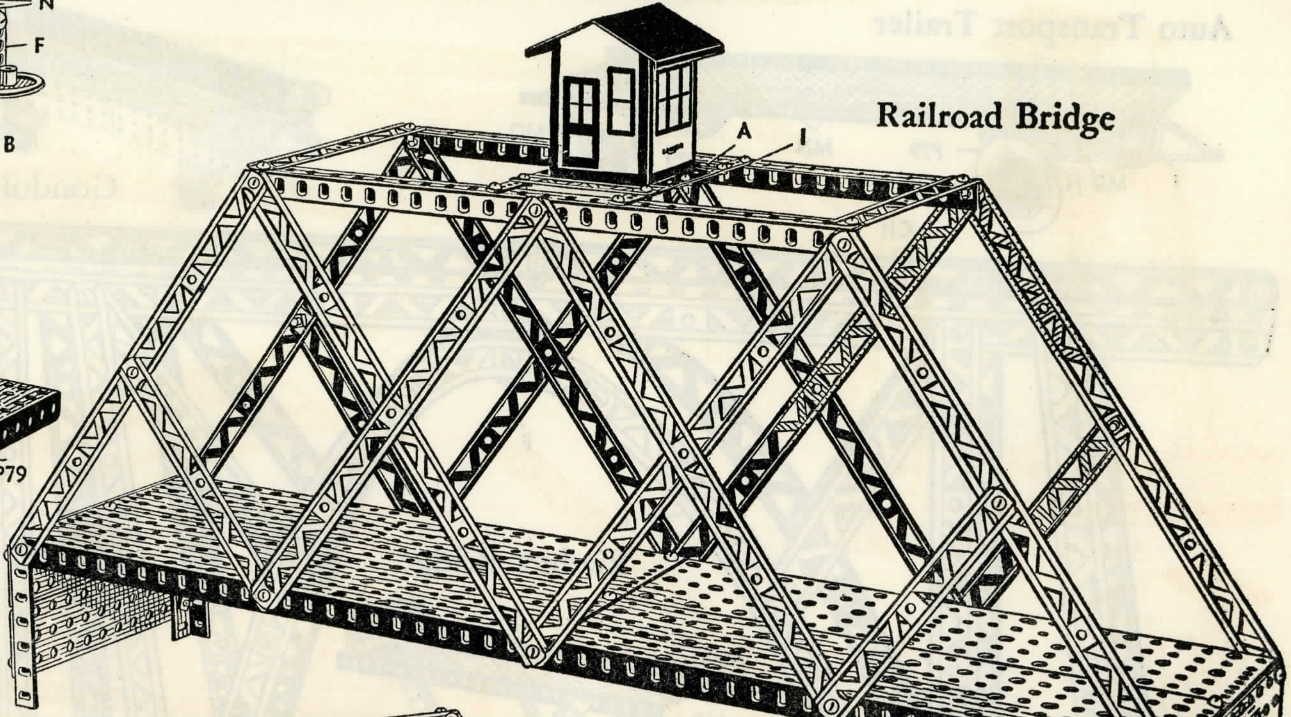
Models Built with No. 4½ Erector



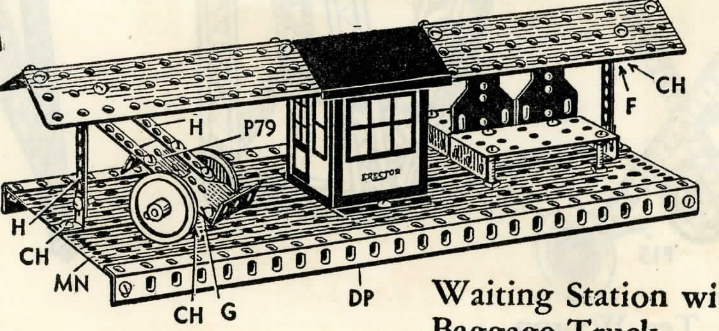
Platform Lights



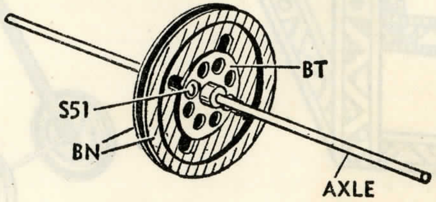
Switch Tower



Railroad Bridge

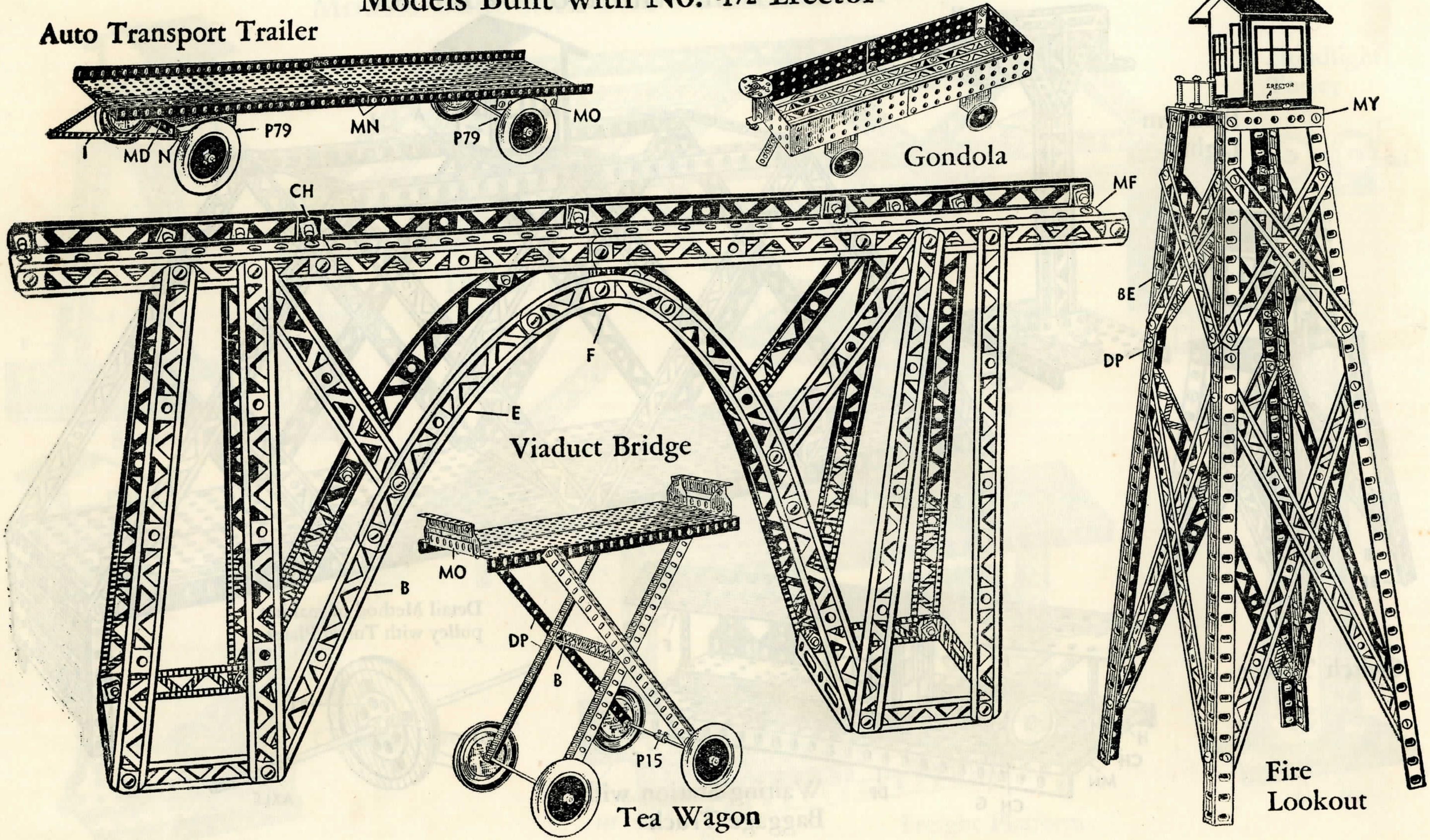


Waiting Station with Baggage Truck



Detail Method of making pulley with Turret Plates

Models Built with No. 4½ Erector



Auto Transport Trailer

Gondola

Viaduct Bridge

Tea Wagon

Fire Lookout

Models Built with No. 6½ Erector

INTRODUCTION — ELECTRIC ENGINE POWER UNITS

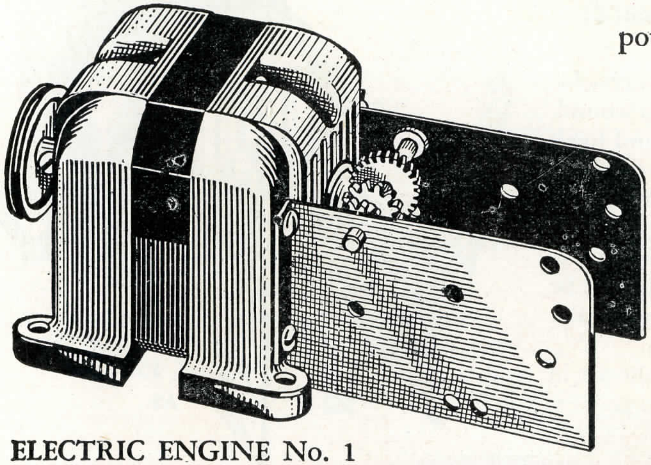
Gears and pulley provide a means for transmitting power, increasing power and regulating speed.

If power is desired, speed must be sacrificed.

If speed is desired, power must be sacrificed.

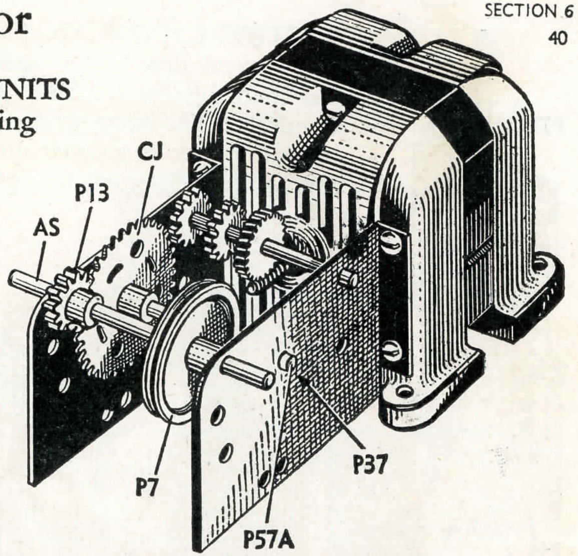
A worm drive gives the greatest single reduction. A worm meshing with a 24 tooth gear, as in the countershaft of the Electric Engine, gives a 1:24 reduction, increasing the power 24 times.

A 12 tooth gear meshed with a 36 tooth gear must turn 3 revolutions to make the latter complete 1 revolution, thus the gear ratio is 1:3 and the driven shaft is capable of handling 3 times the load that the driver would take, but at 1/3 the speed.



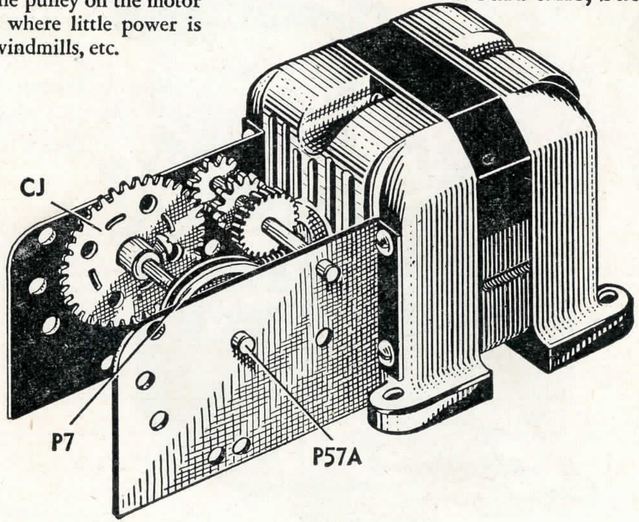
ELECTRIC ENGINE No. 1

A direct drive, as from the pulley on the motor shaft, gives a high speed, where little power is required, as in the case of windmills, etc.



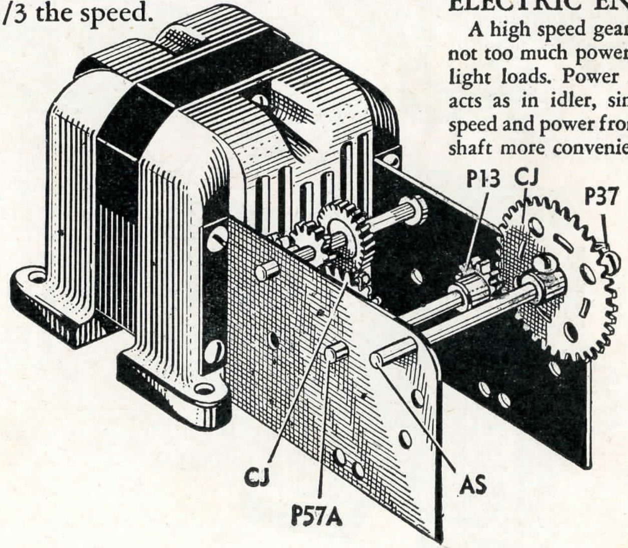
ELECTRIC ENGINE No. 3

A high speed gear train where a little pep and not too much power is desired for working with light loads. Power ratio 1:1, the 36 tooth gear acts as in idler, simply transforming the same speed and power from the countershaft to a driven shaft more conveniently located.



ELECTRIC ENGINE No. 2

A medium speed gear train capable of running all ordinary models. Power ratio of driven shaft to counter shaft, 3:1.



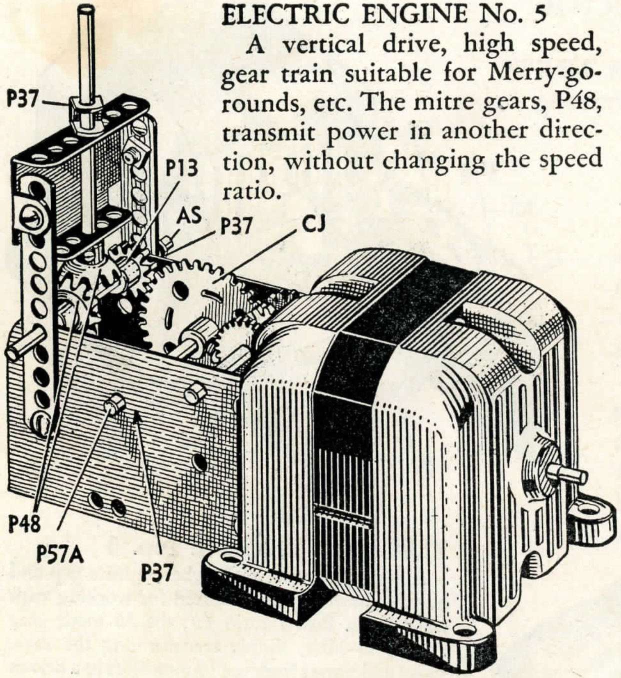
ELECTRIC ENGINE No. 4

A powerful, slow speed gear train, ratio 9:1. A fine gear box where great power is required, or a very slow speed is desired.

Models Built with No. 6½ Erector

ELECTRIC ENGINE No. 5

A vertical drive, high speed, gear train suitable for Merry-go-rounds, etc. The mitre gears, P48, transmit power in another direction, without changing the speed ratio.



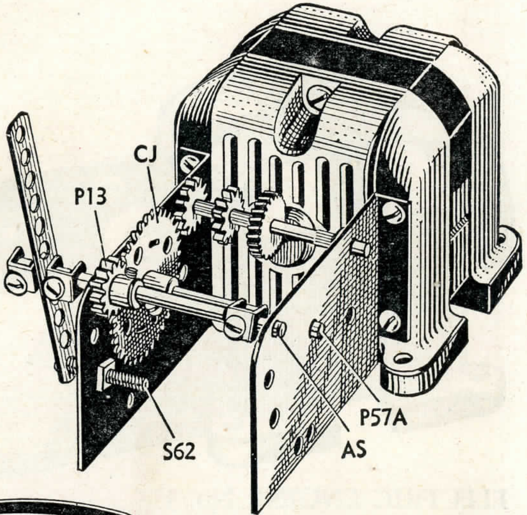
ELECTRIC ENGINE POWER UNITS (cont'd)

TO REVERSE A LOAD

Gear boxes used for hoisting as in elevators, derricks, etc., should have the axle, on which the string is wound, loose enough so that it may be pushed back and forth endwise. This end play should permit the gear on this axle to be in or out of mesh with the gear driving it.

When the gears are in mesh the load will be raised. When they are not, the axle will be free and the load, acted upon by gravity, will drop. The load may be slowed or stopped in its downward journey by applying friction to the free axle.

A gear shift lever may be constructed as shown in Electric Engine No. 7 to control these operations.

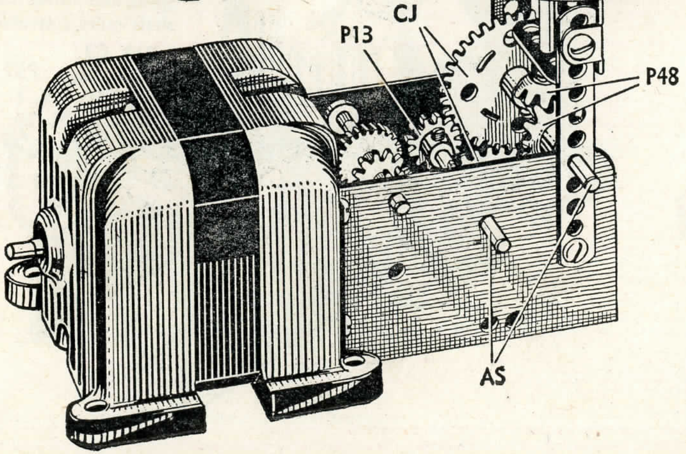


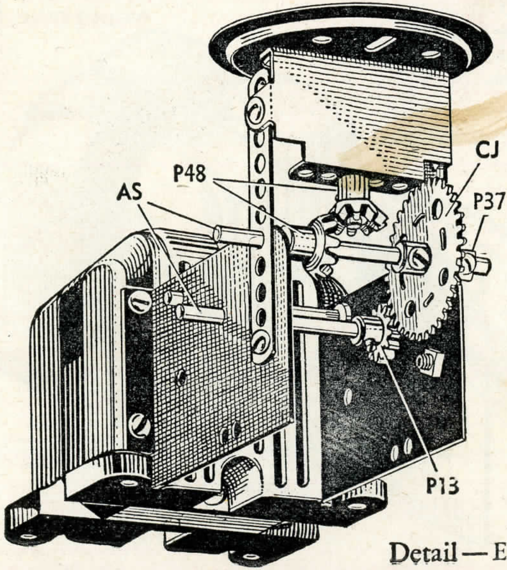
ELECTRIC ENGINE No. 7

A gear shift lever added to Electric Engine No. 3. Leave end play in the driven shaft for throwing gears out of mesh.

ELECTRIC ENGINE No. 6

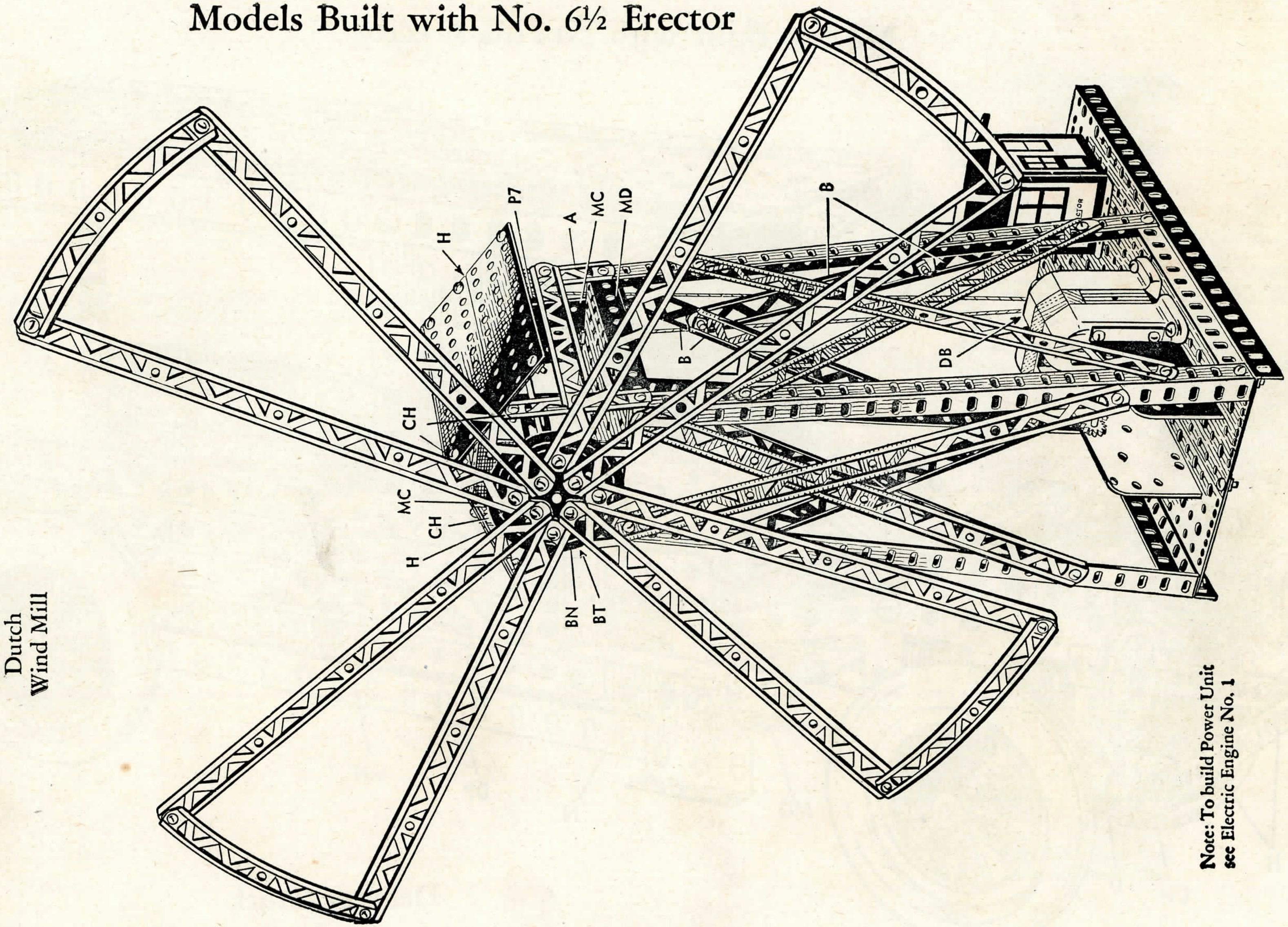
A vertical drive, slow speed, gear train, with plenty of power, suitable for drawbridges, airplane beacons, etc.





Detail—ELECTRIC ENGINE No. 6—

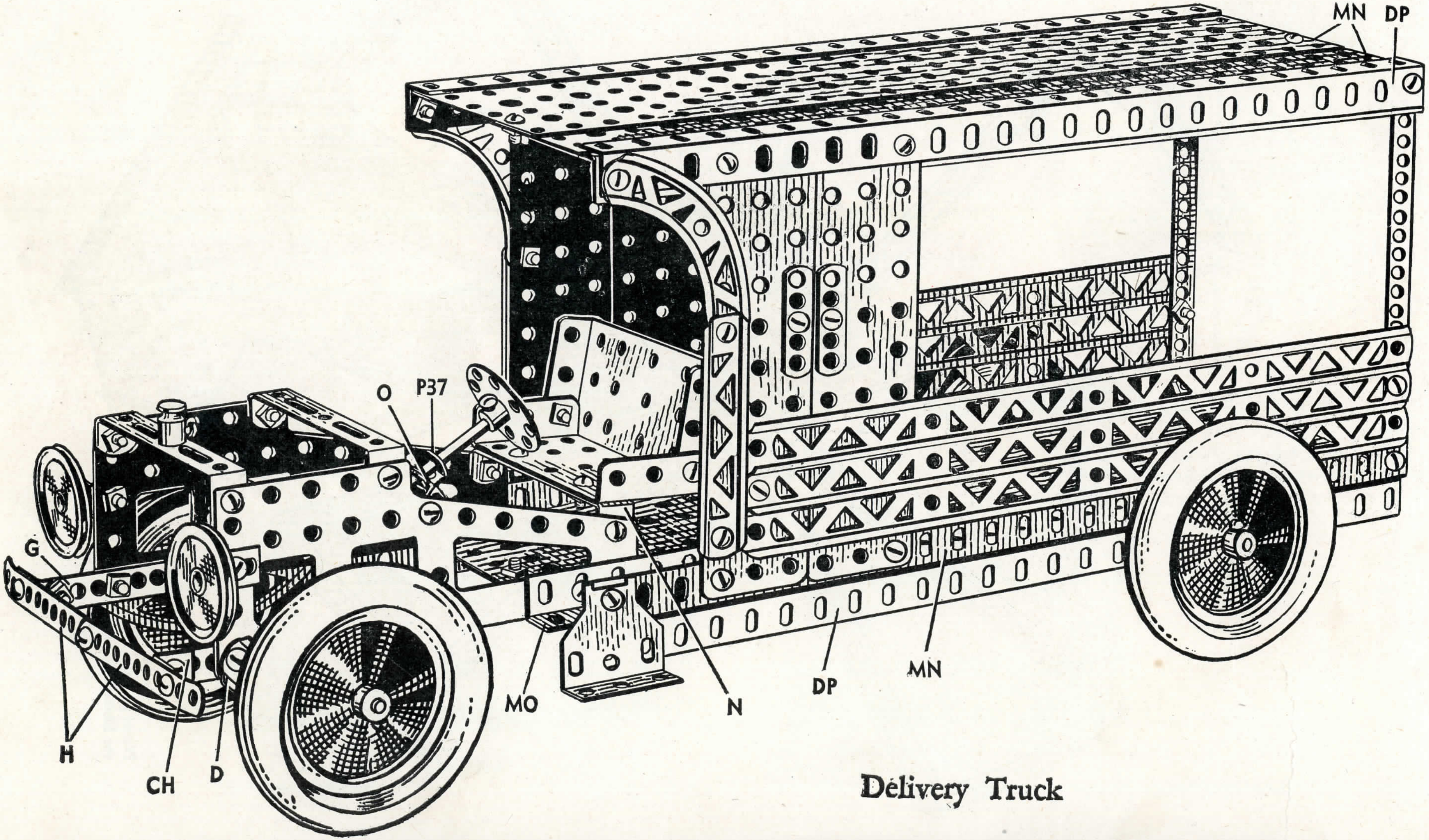
Models Built with No. 6½ Erector



Dutch
Wind Mill

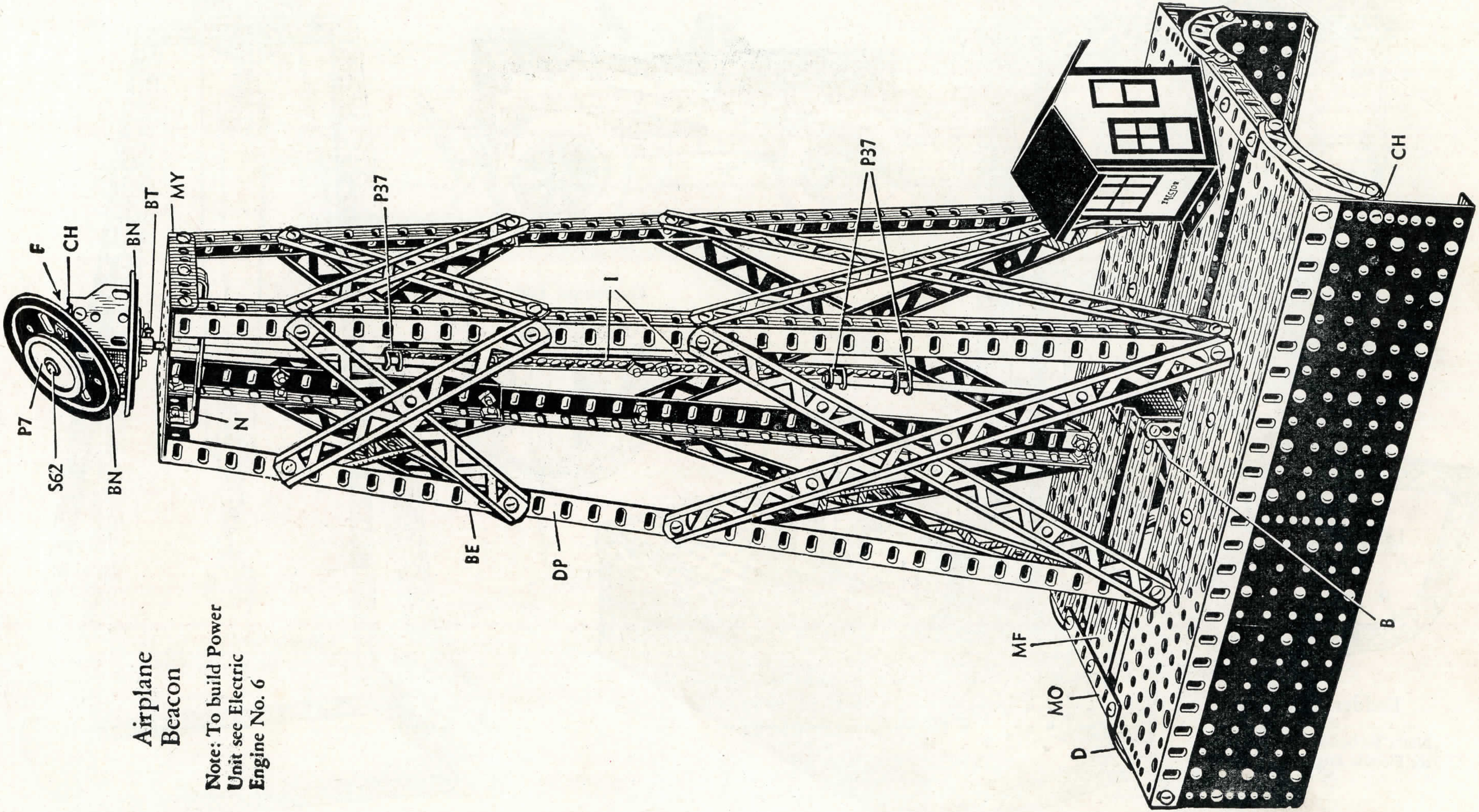
Note: To build Power Unit
see Electric Engine No. 1

Models Built with No. 6½ Erector



Delivery Truck

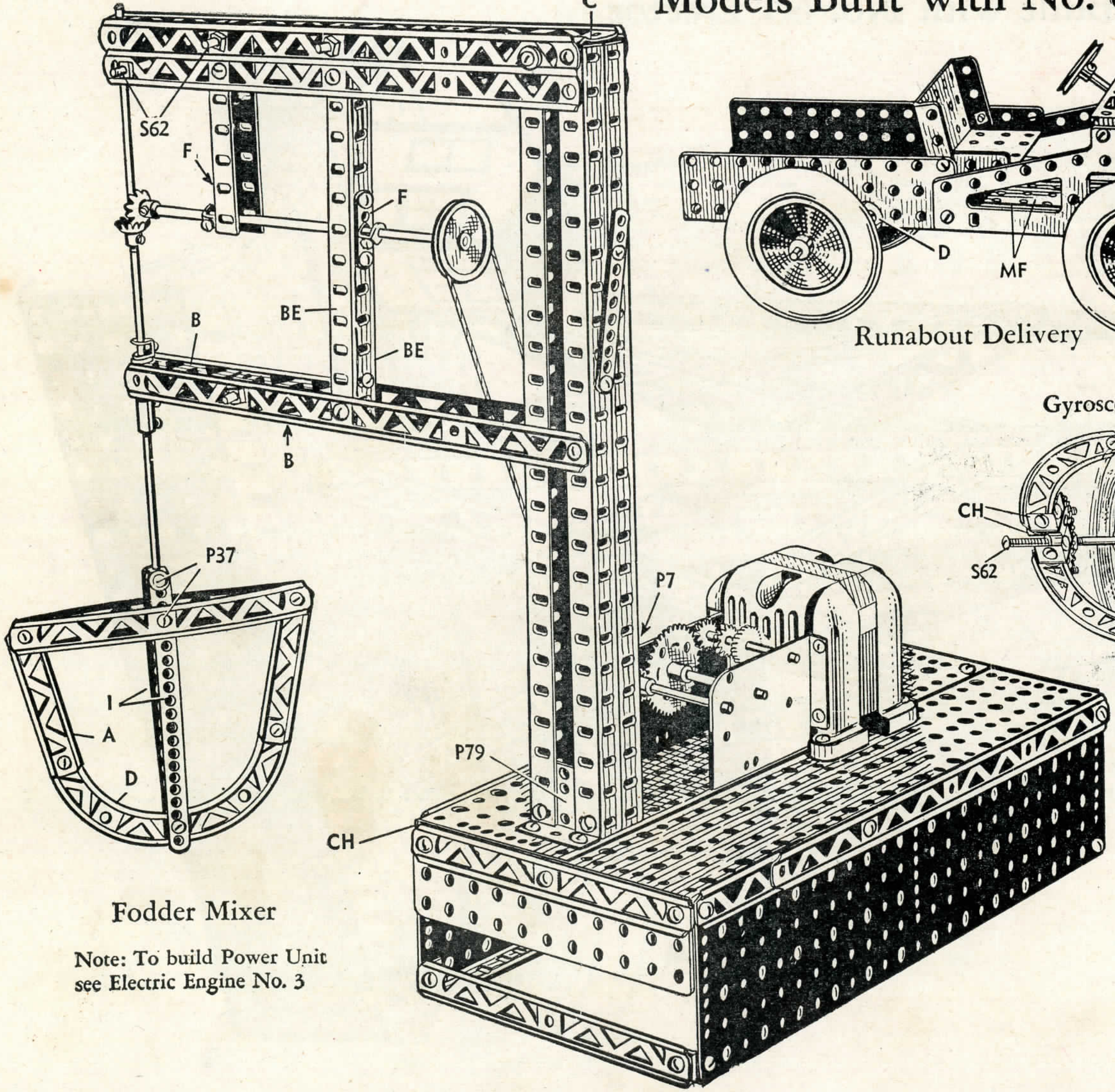
Models Built with No. 6½ Erector



Airplane
Beacon

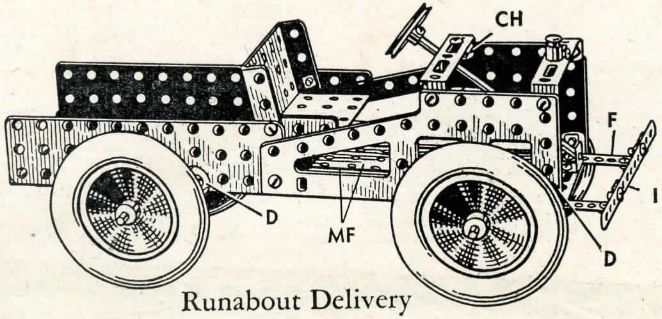
**Note: To build Power
Unit see Electric
Engine No. 6**

Models Built with No. 6½ Erector



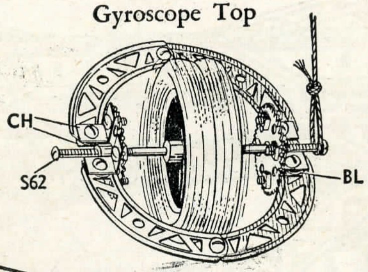
Fodder Mixer

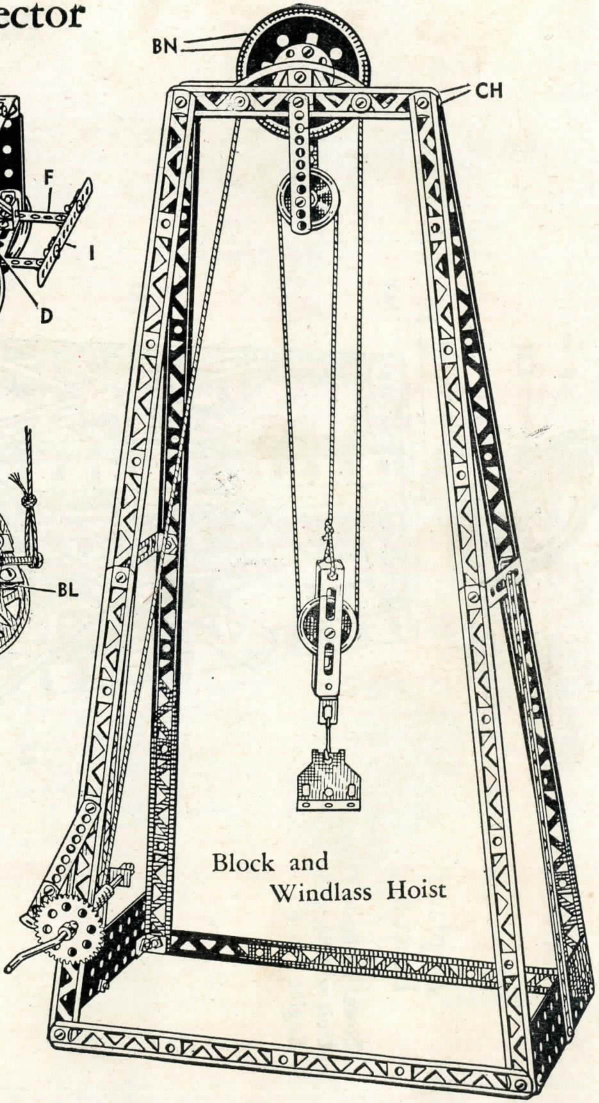
Note: To build Power Unit see Electric Engine No. 3



Runabout Delivery

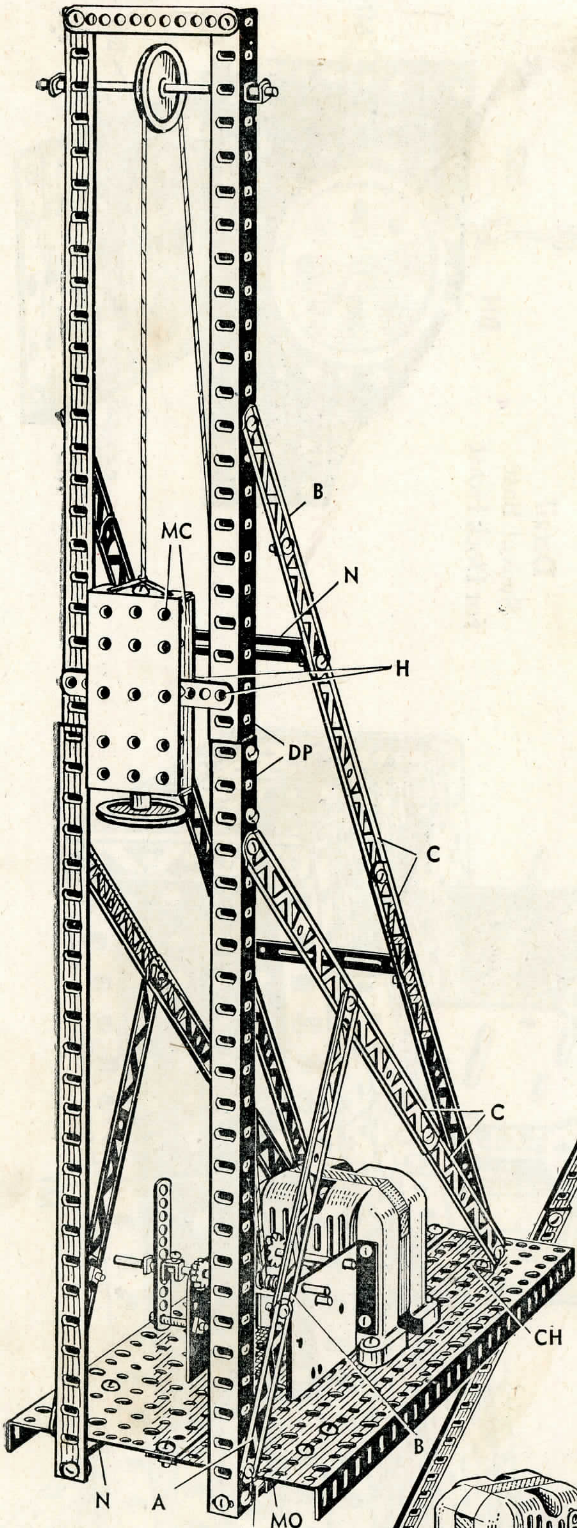
Gyroscope Top





Block and Windlass Hoist

Models Built with No. 6½ Erector

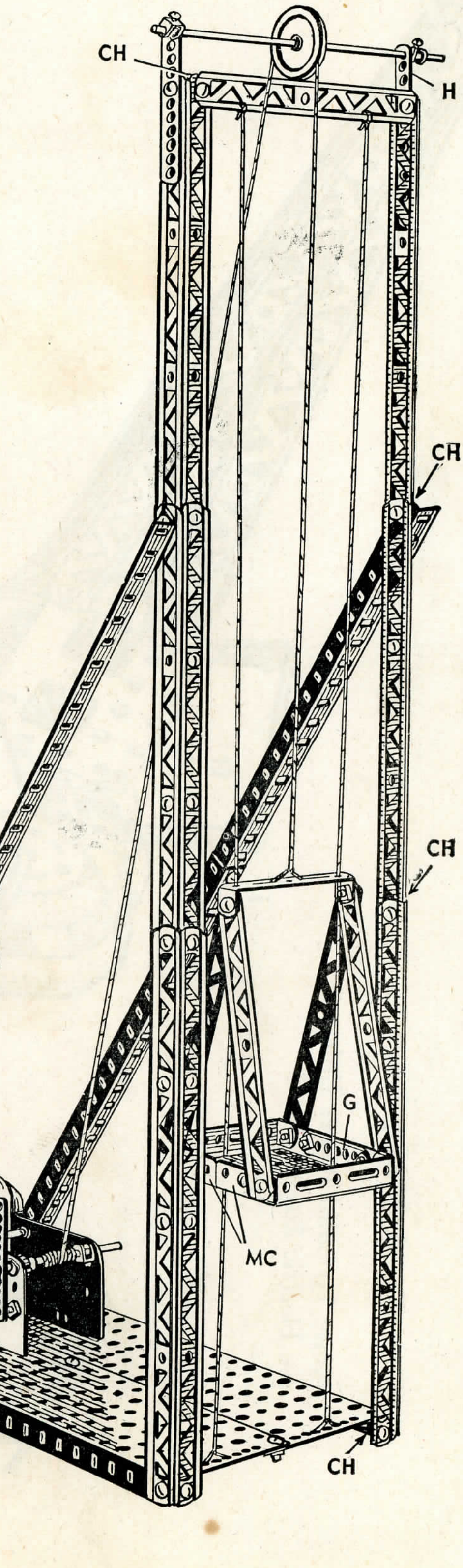


Pile Driver

Note: To build Power Unit see Electric Engine No. 7

Builders Hoist

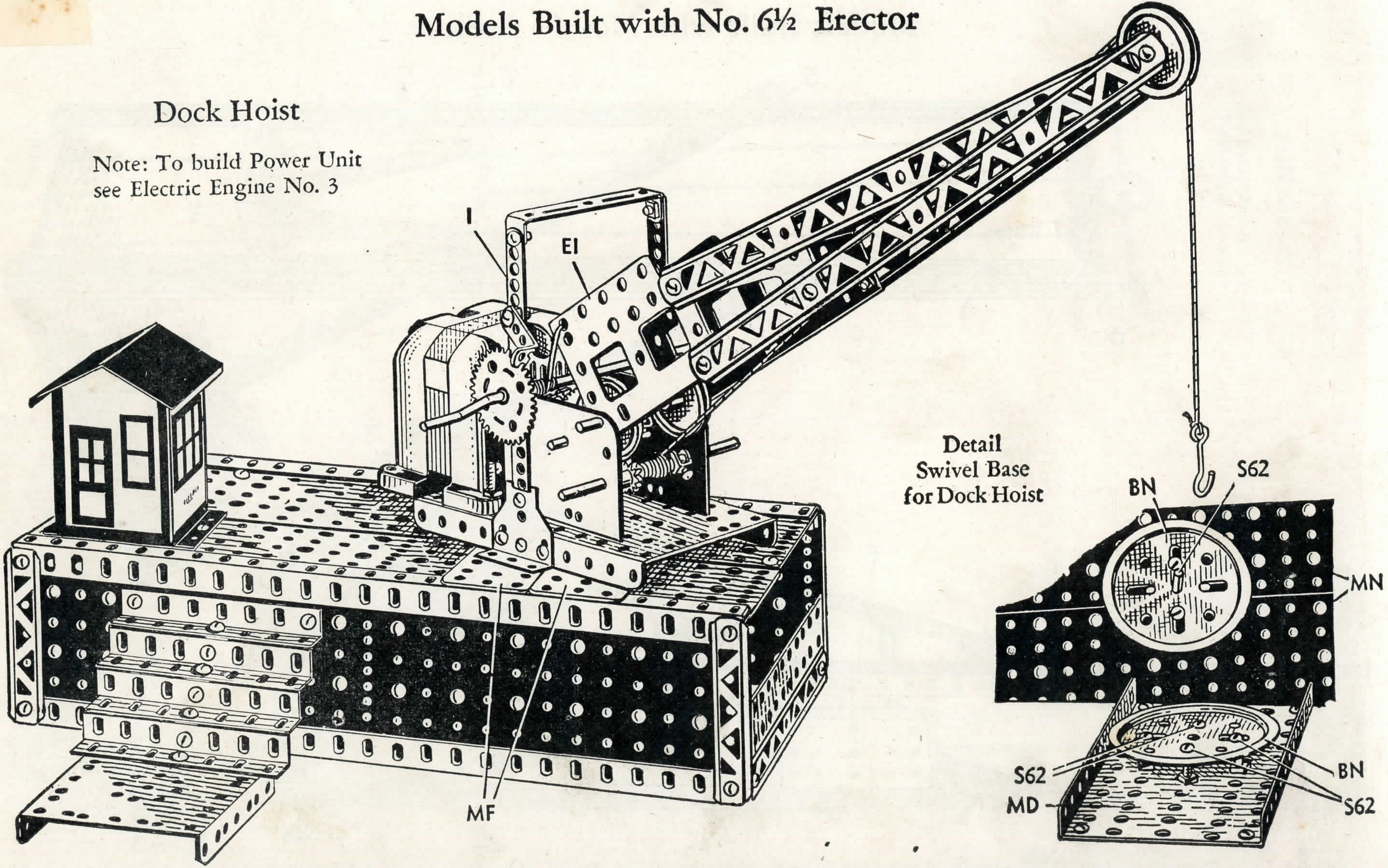
Note: To build Power Unit see Electric Engine No. 7



Models Built with No. 6½ Erector

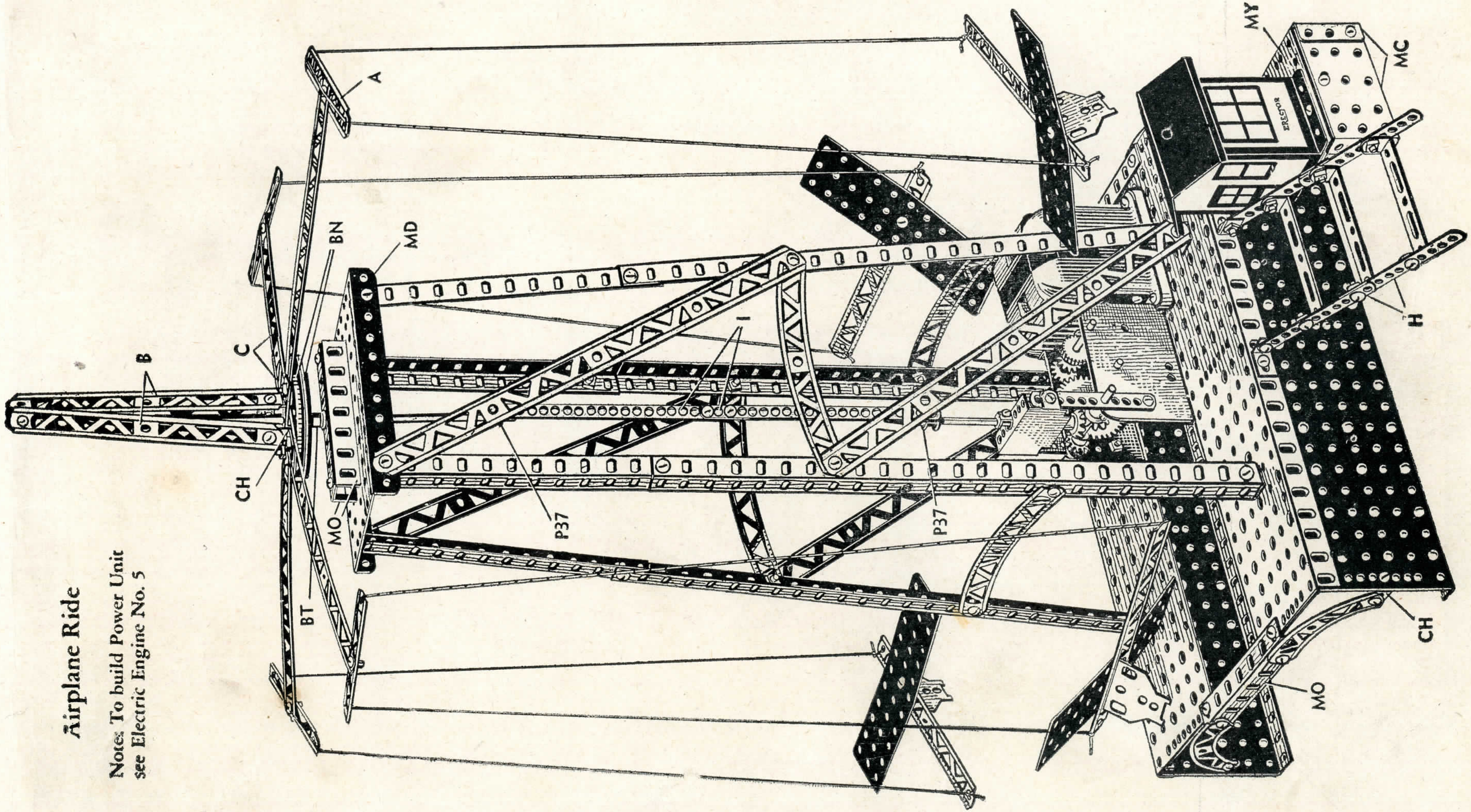
Dock Hoist

Note: To build Power Unit
see Electric Engine No. 3



Detail
Swivel Base
for Dock Hoist

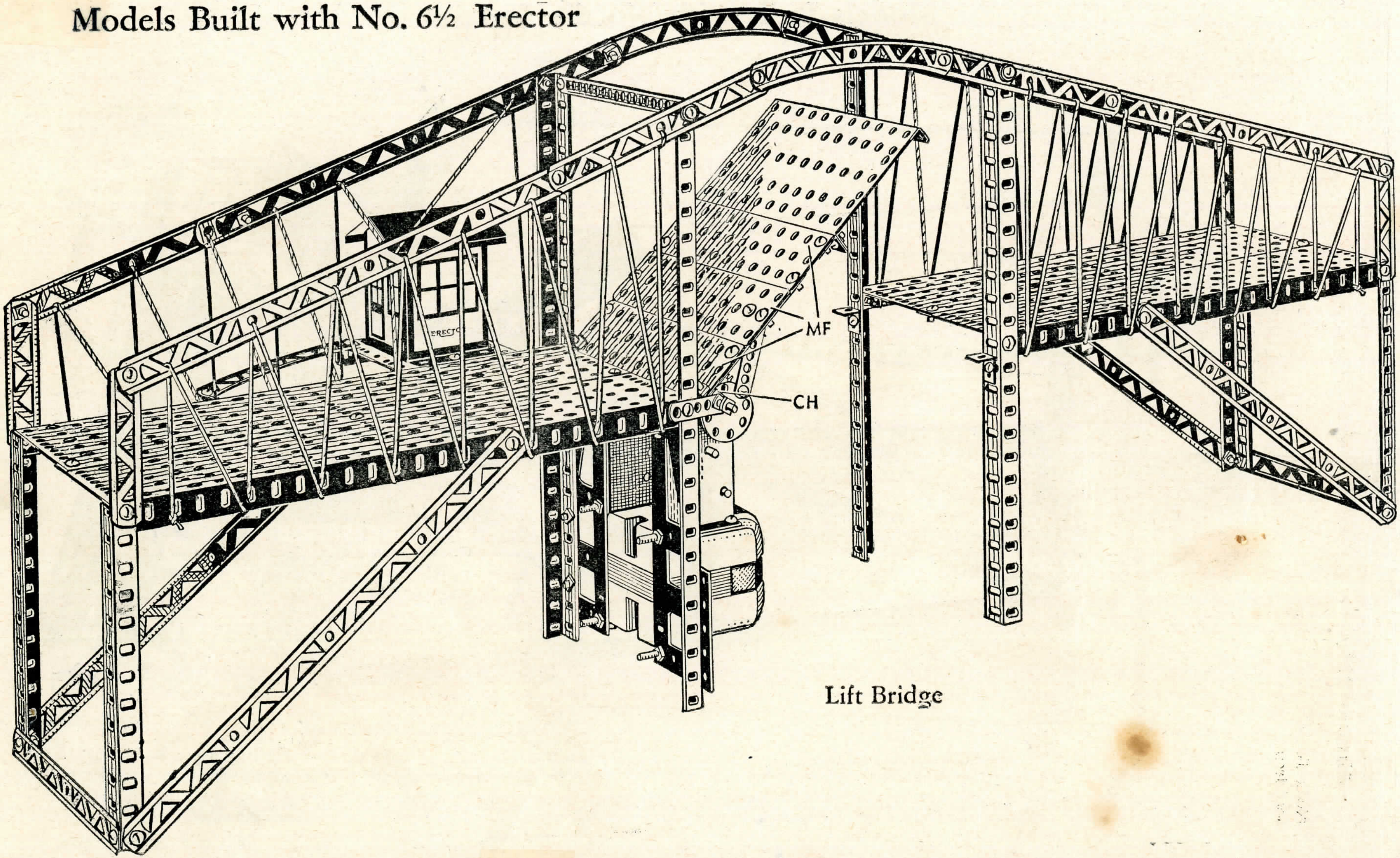
Models Built with No. 6½ Erector



Airplane Ride

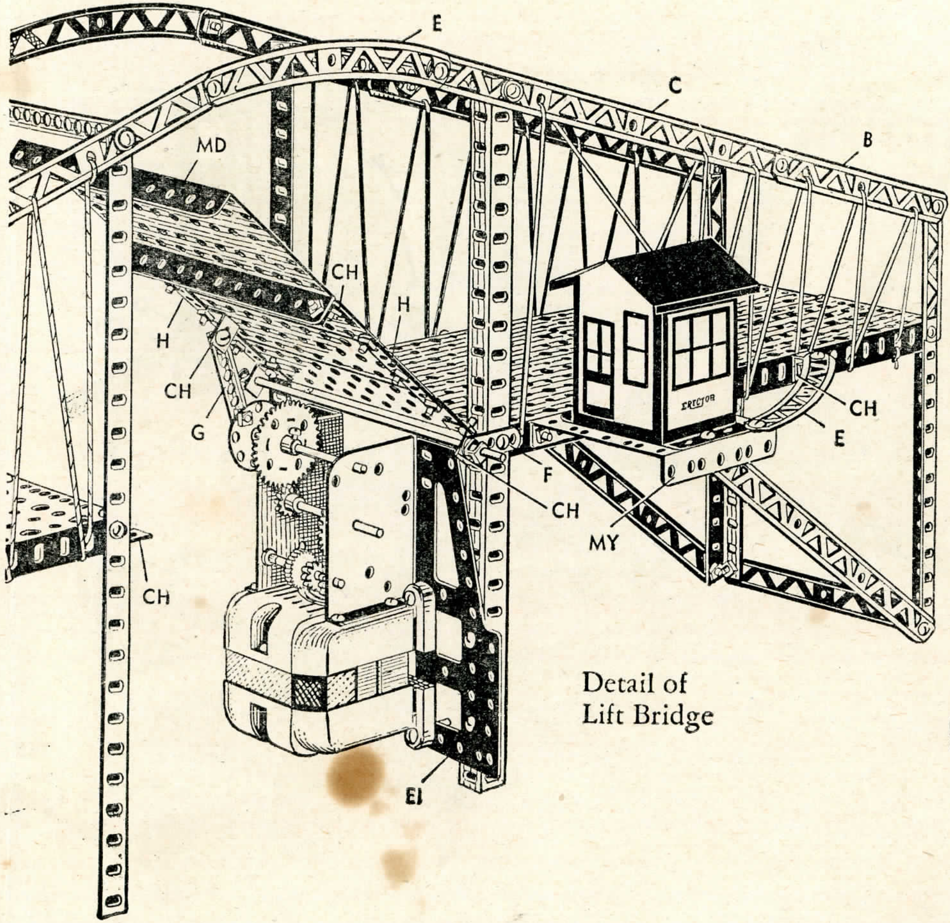
Note: To build Power Unit see Electric Engine No. 5

Models Built with No. 6½ Erector



Lift Bridge

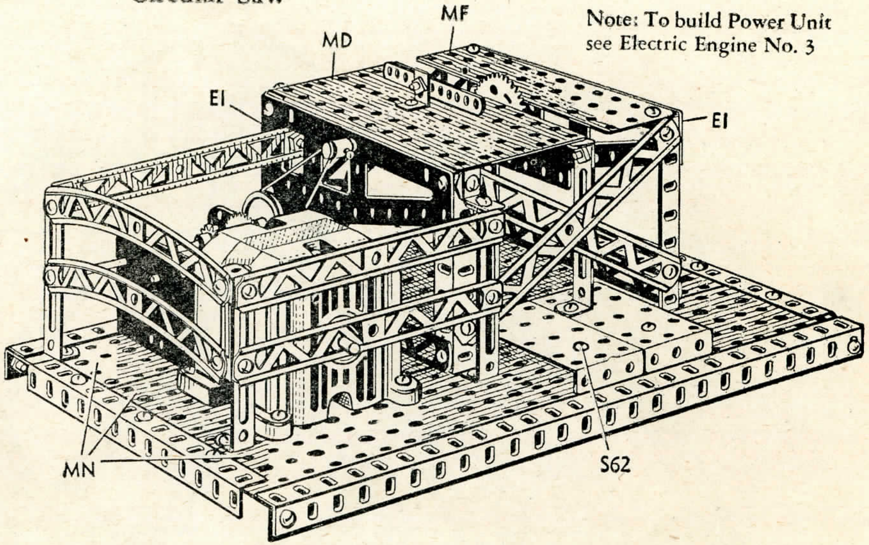
Models Built with No. 6½ Erector



Detail of
Lift Bridge

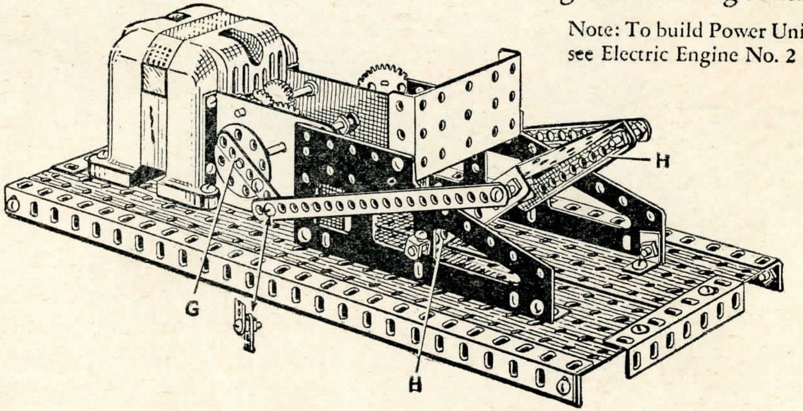
Circular Saw

Note: To build Power Unit
see Electric Engine No. 3



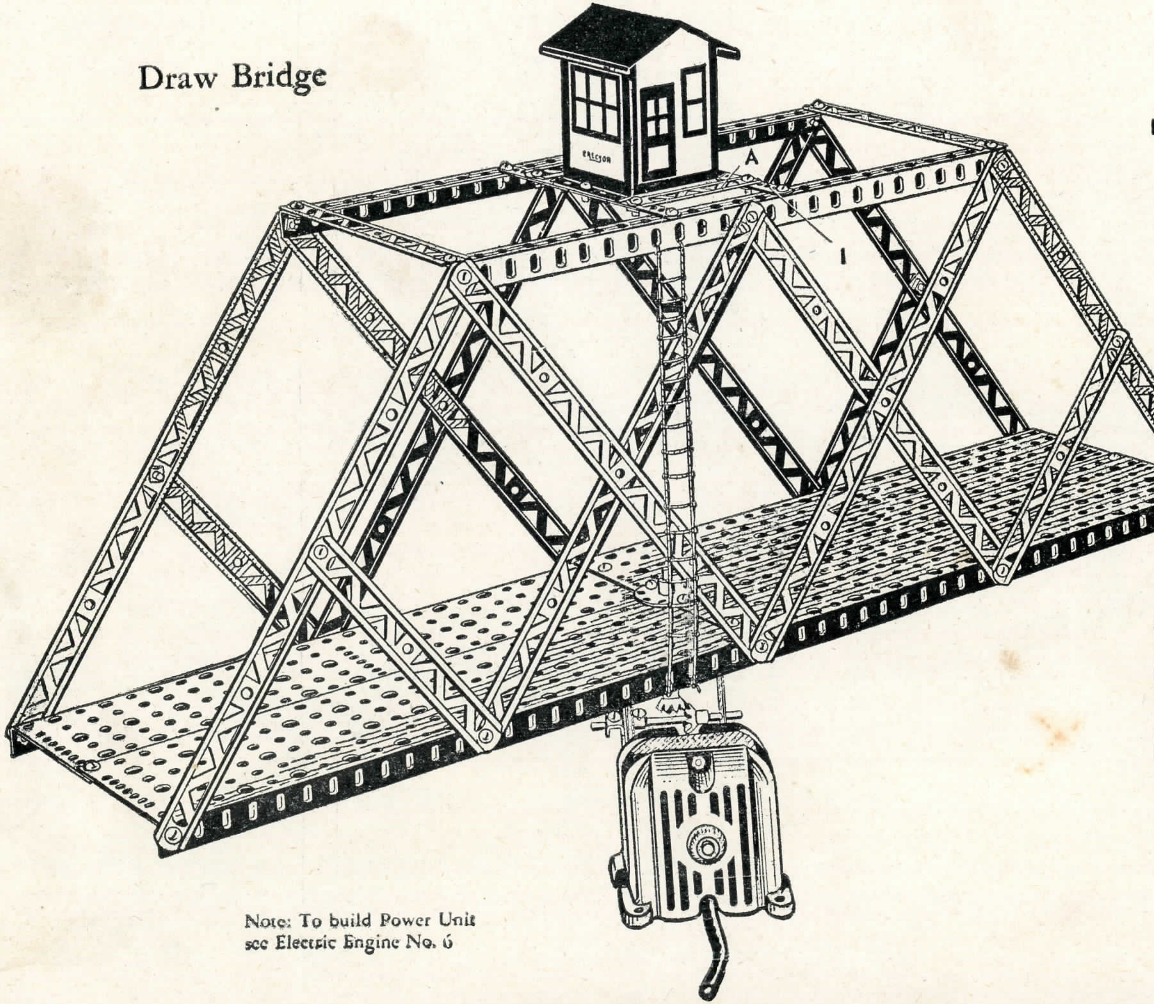
Cutting and Creasing Machine

Note: To build Power Unit
see Electric Engine No. 2



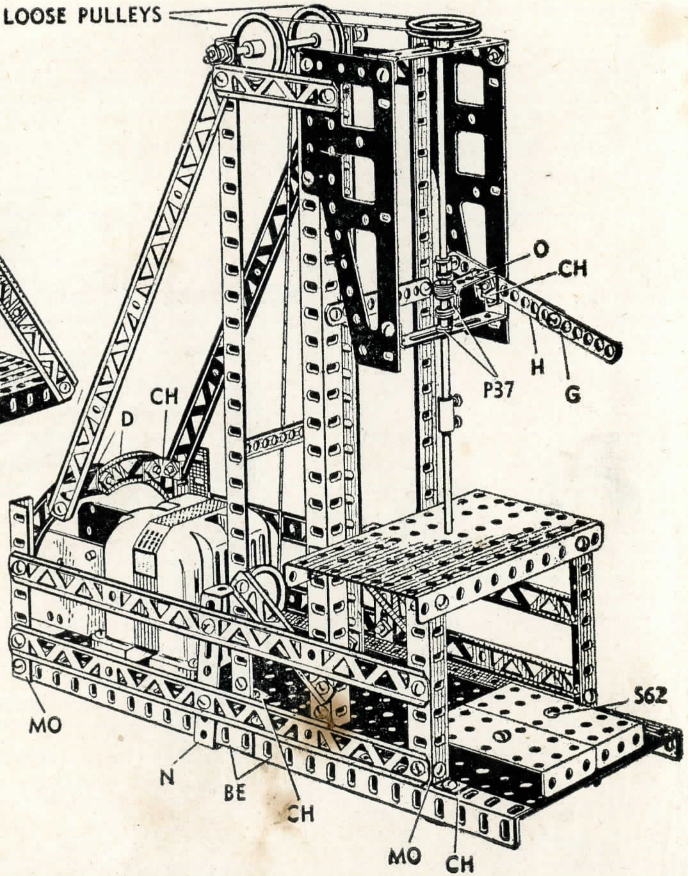
Models Built with No. 6½ Erector

Draw Bridge

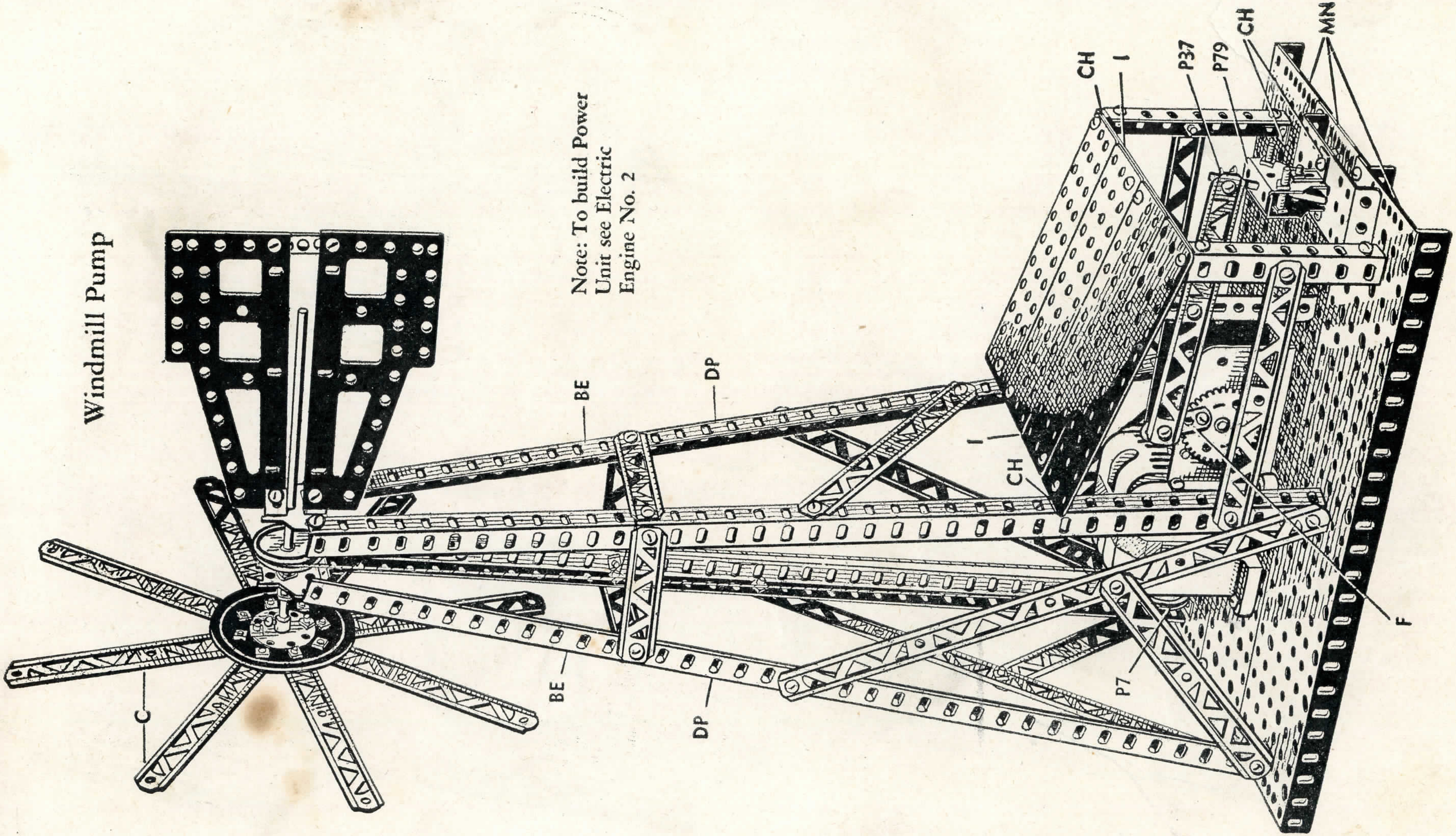


Note: To build Power Unit see Electric Engine No. 6

Drill Press



Models Built with No. 6½ Erector



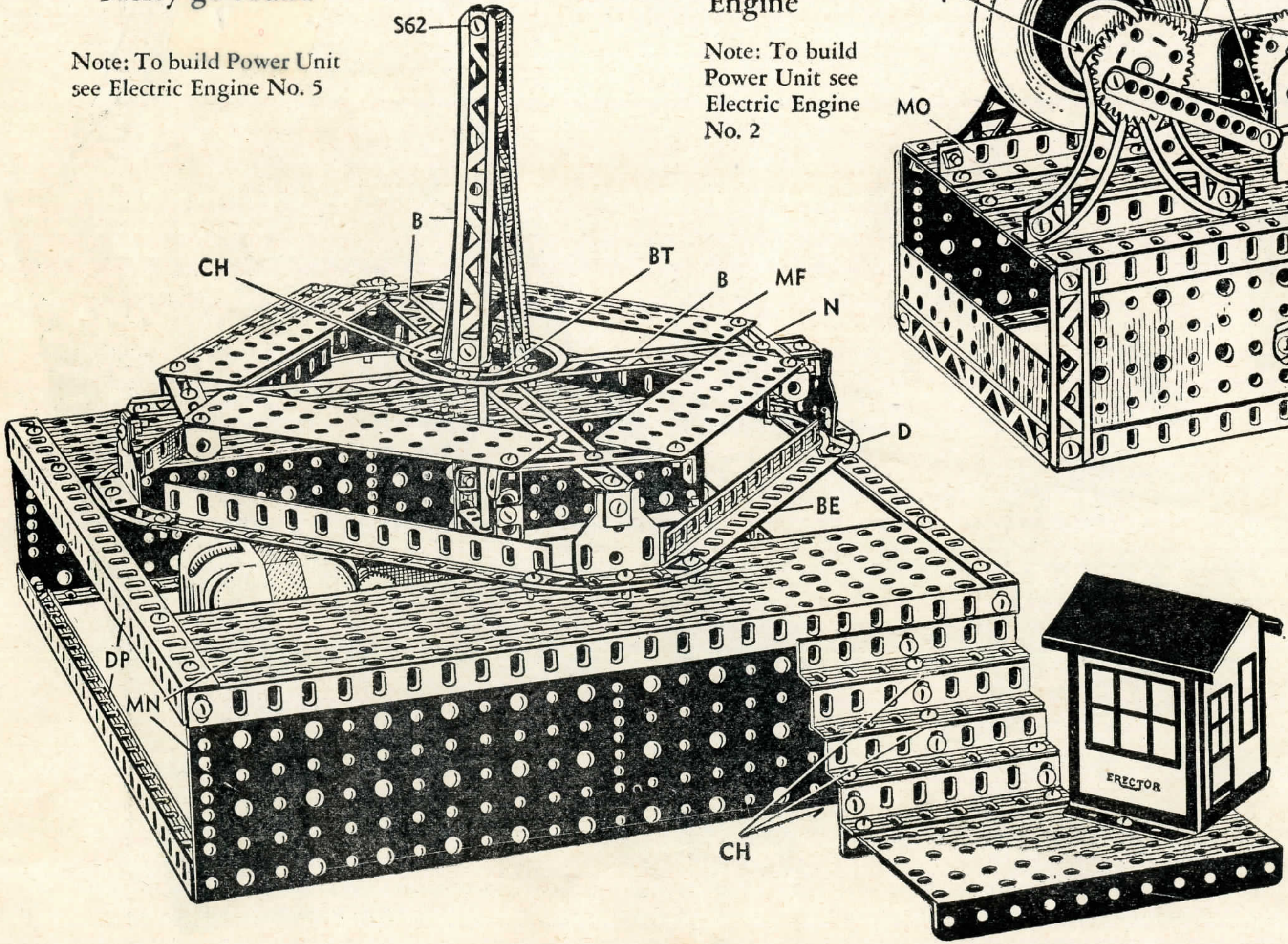
Windmill Pump

Note: To build Power
Unit see Electric
Engine No. 2

Models Built with No. 6½ Erector

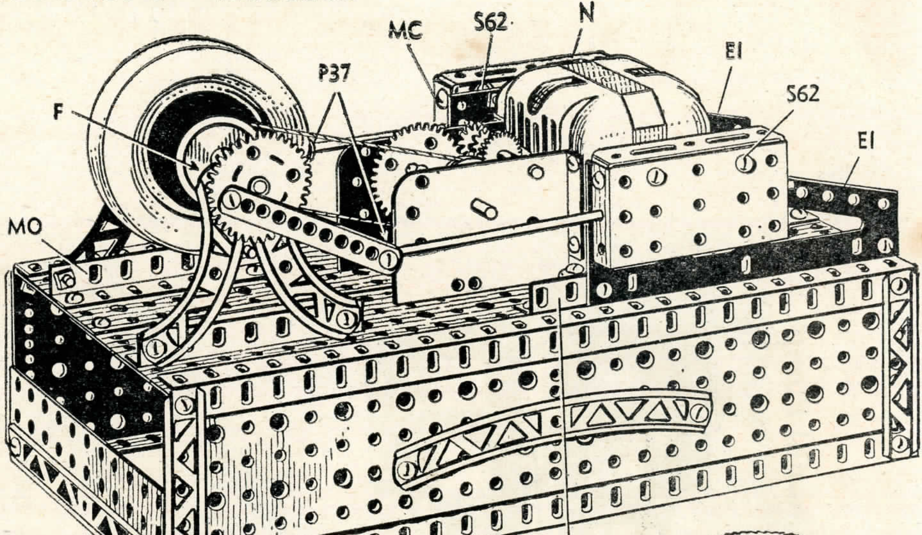
Merry-go-round

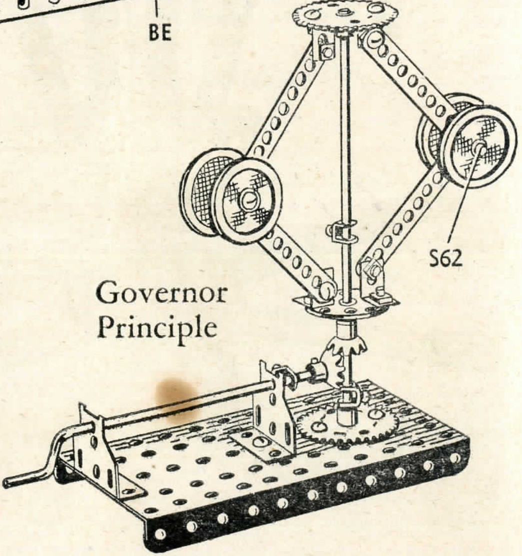
Note: To build Power Unit see Electric Engine No. 5



Horizontal Engine

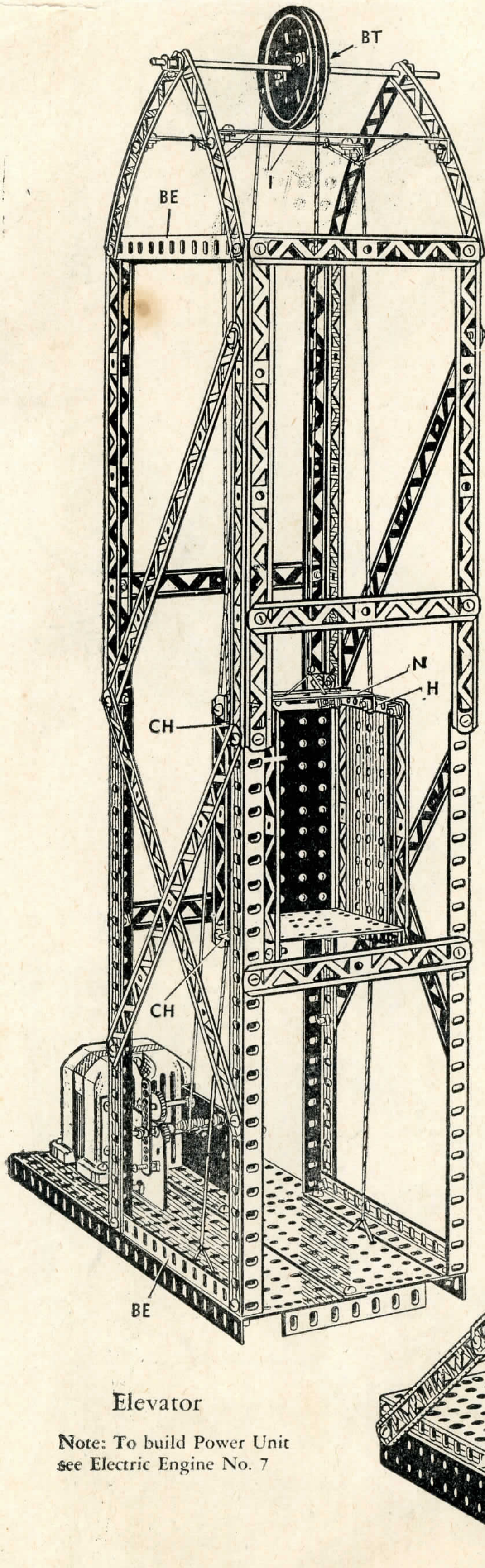
Note: To build Power Unit see Electric Engine No. 2





Governor Principle

Models Built with No. 6½ Erector

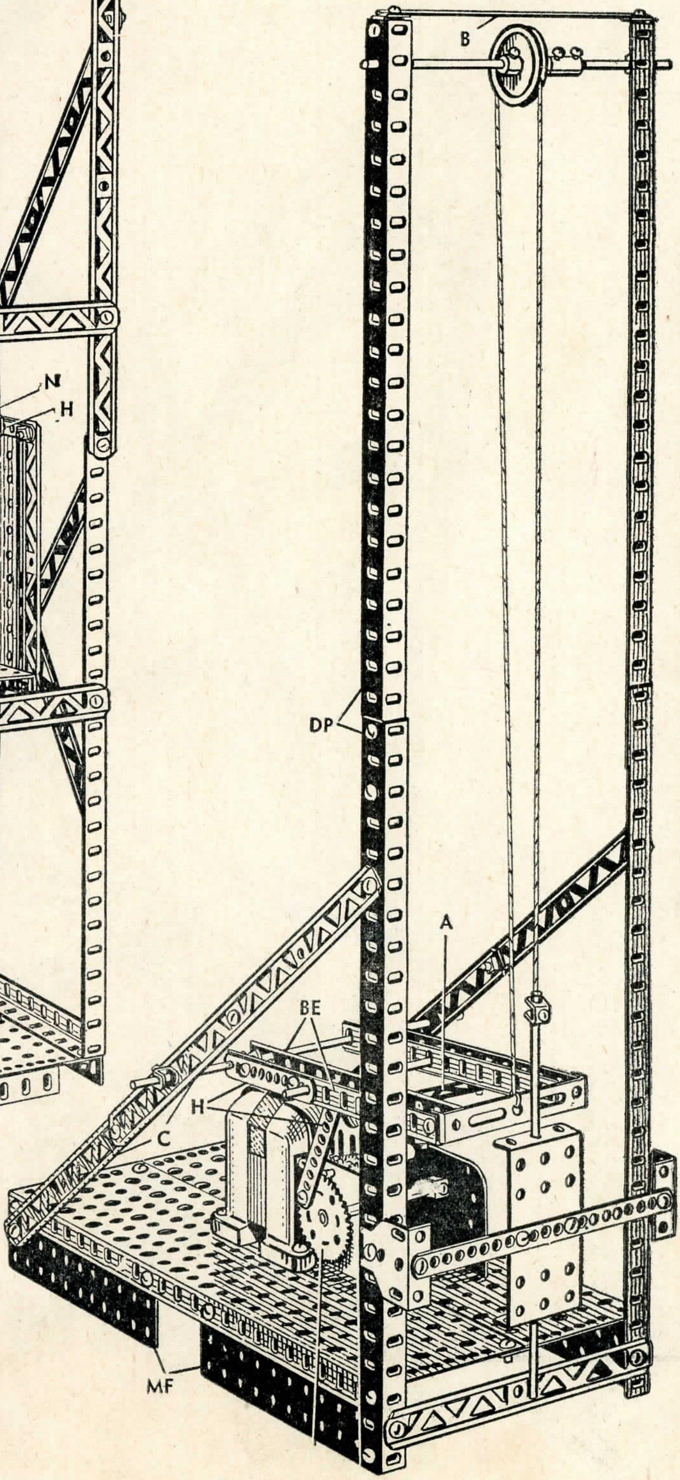


Elevator

Note: To build Power Unit
see Electric Engine No. 7

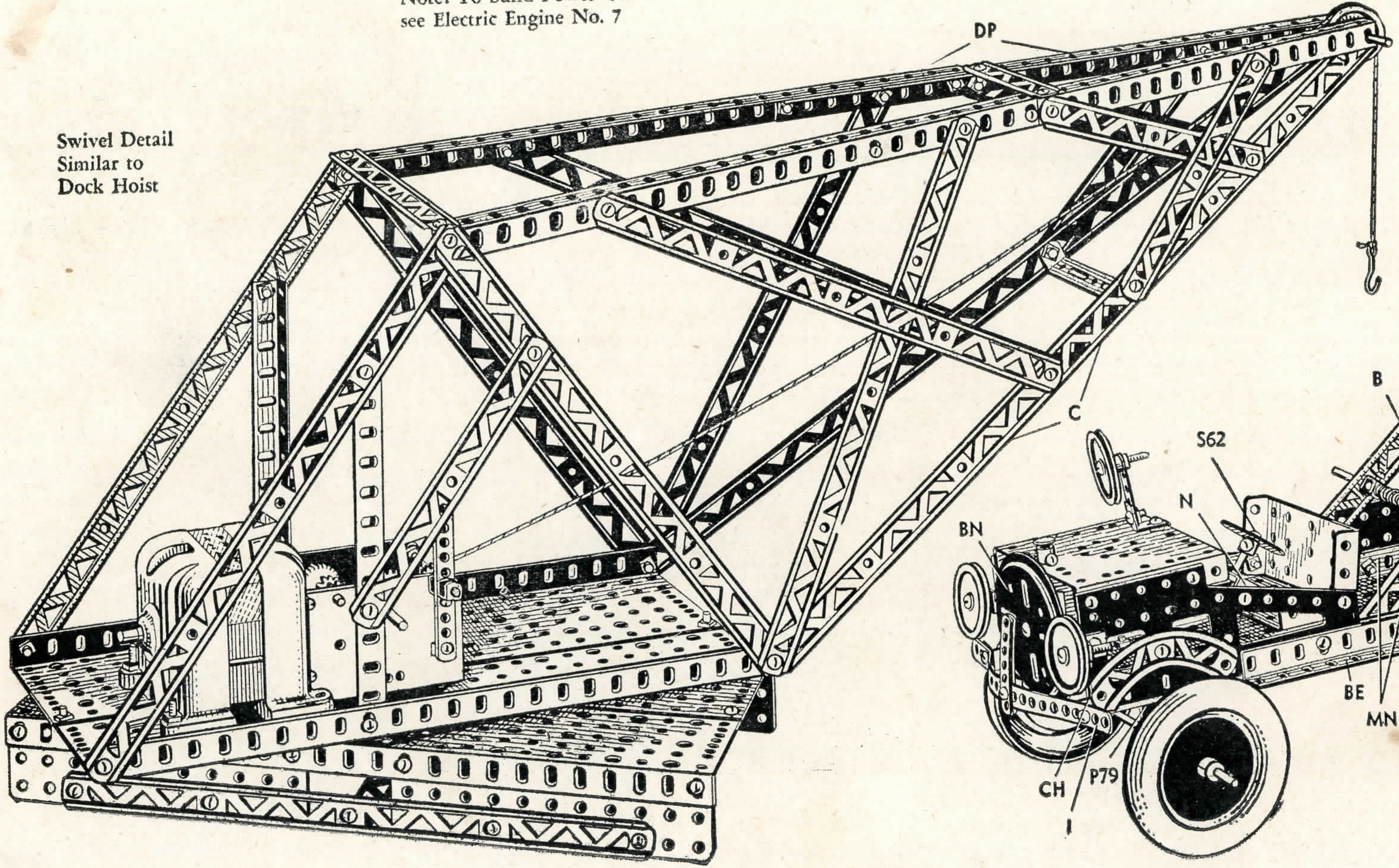
Well Driver

Note: To build Power Unit
see Electric Engine No. 2



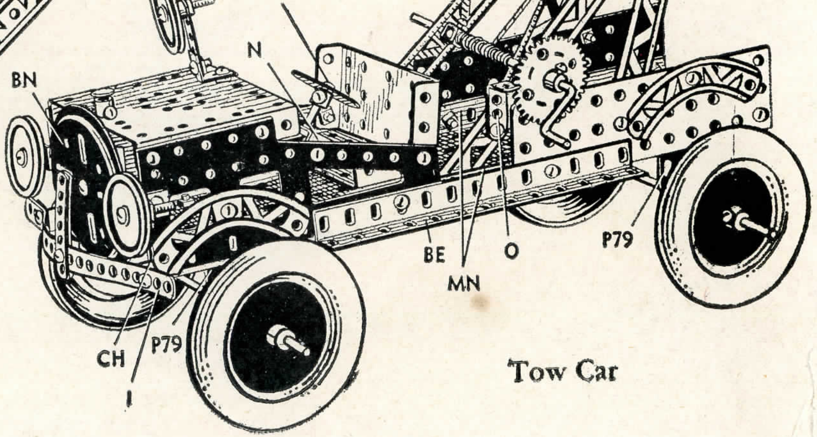
Models Built with No. 6½ Erector

Unloading Crane



Note: To build Power Unit see Electric Engine No. 7

Swivel Detail Similar to Dock Hoist

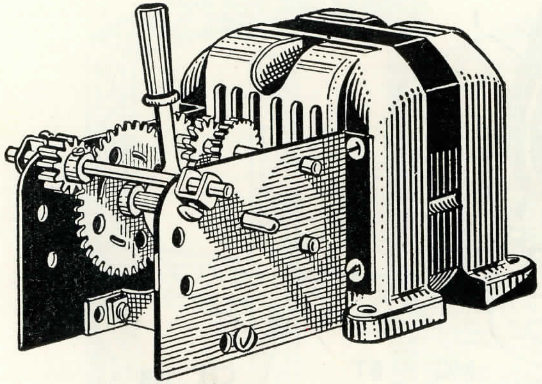


Tow Car

Models Built with No. 7½ Erector

ELECTRIC ENGINE No. 8

A high speed gear train



ELECTRIC ENGINE POWER UNITS

The gear shift lever and gears in the ELECTRIC ENGINE are arranged so that one or two shafts may be driven forward or in reverse or allowed to remain in neutral. It is also possible to drive one shaft at two different speeds.

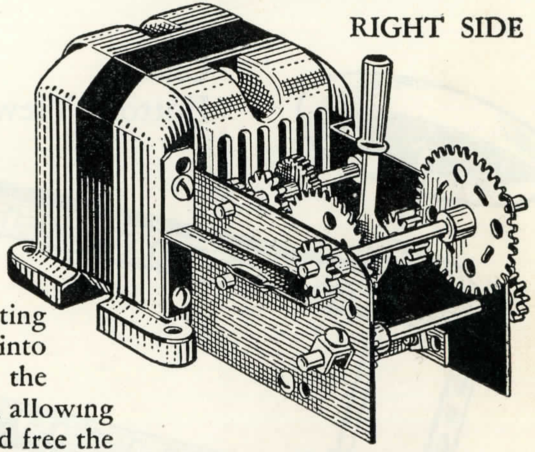
CAUTION — MOTOR MUST BE RUNNING TO SHIFT GEARS SUCCESSFULLY

THE RATCHET and pinion arrangement on E. E. No. 10 are only needed when the load, such as an elevator or derrick, would run down when in neutral. This ratchet may be put on any power unit used for hoisting. It should be adjusted so that when the driven gear is not in mesh the ratchet engages the pinion preventing rotation. As the drive gear shifts into mesh, the sliding shaft slips off the raised portion of the ratchet, allowing it to disengage the pinion and free the driven shaft.

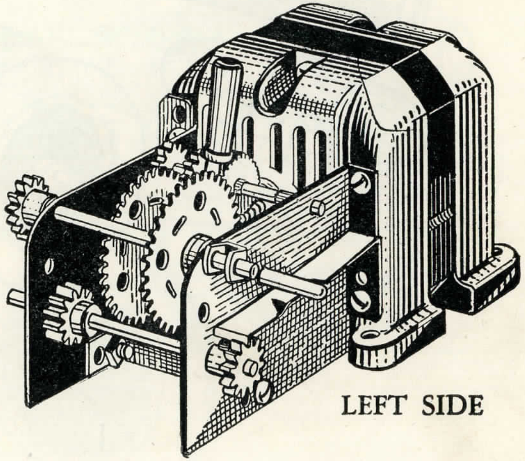
ELECTRIC ENGINE No. 10

A combination of high and low speed shafts for load and boom on derricks, etc. (See note on RATCHETS.)

RIGHT SIDE



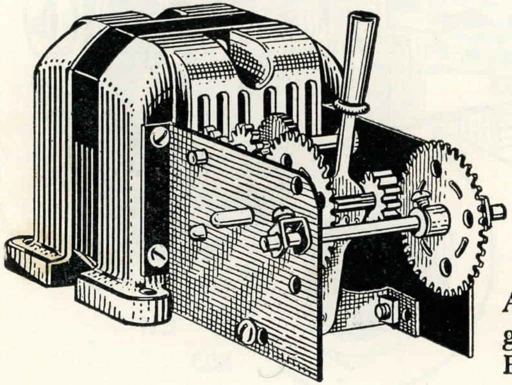
ELECTRIC ENGINE No. 10

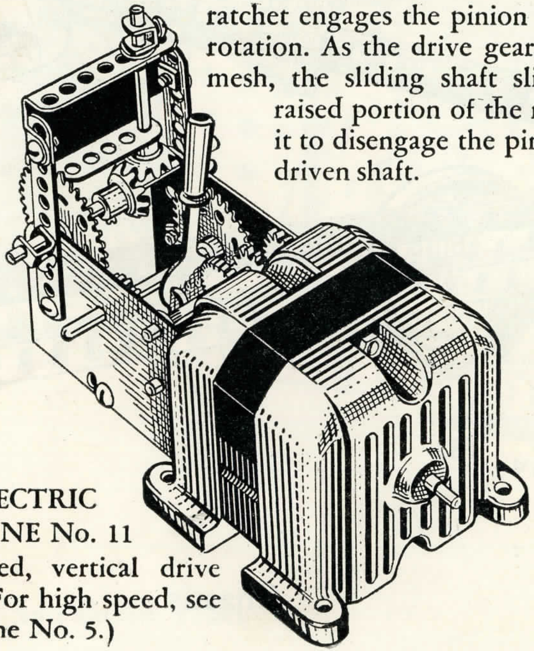


LEFT SIDE

ELECTRIC ENGINE No. 9

A low speed gear train with great power

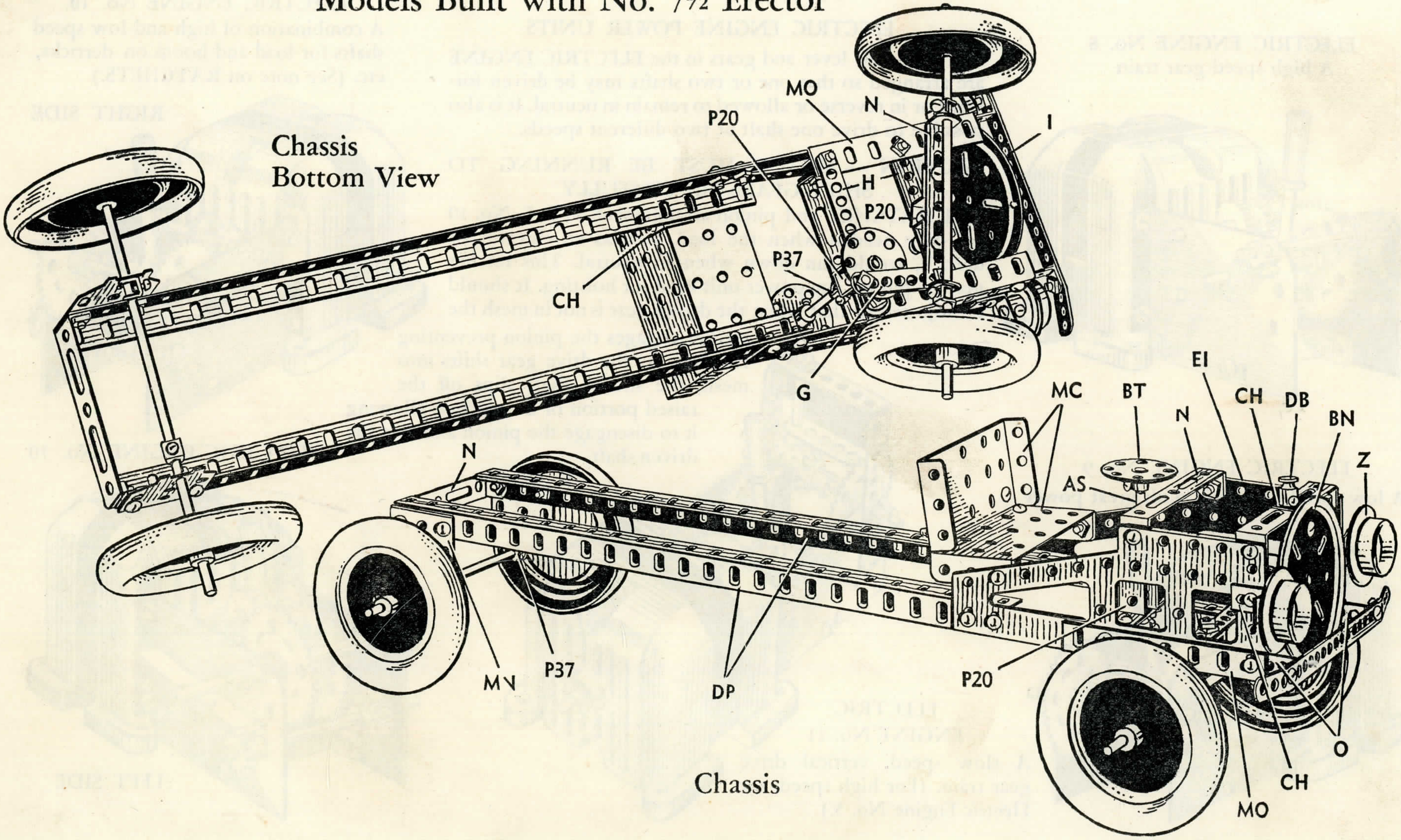




ELECTRIC ENGINE No. 11

A slow speed, vertical drive gear train. (For high speed, see Electric Engine No. 5.)

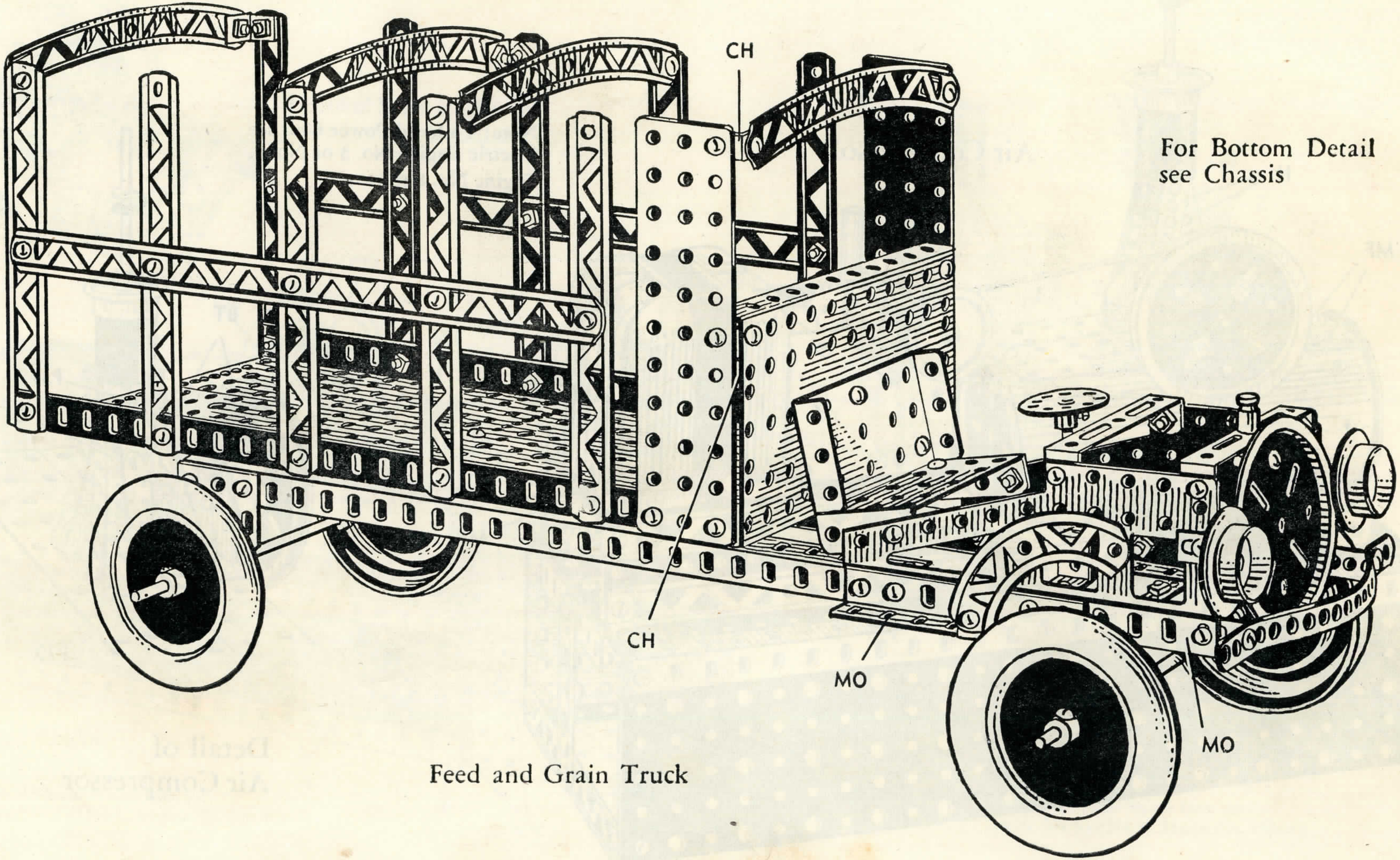
Models Built with No. 7½ Erector



Chassis
Bottom View

Chassis

Models Built with No. 7½ Erector



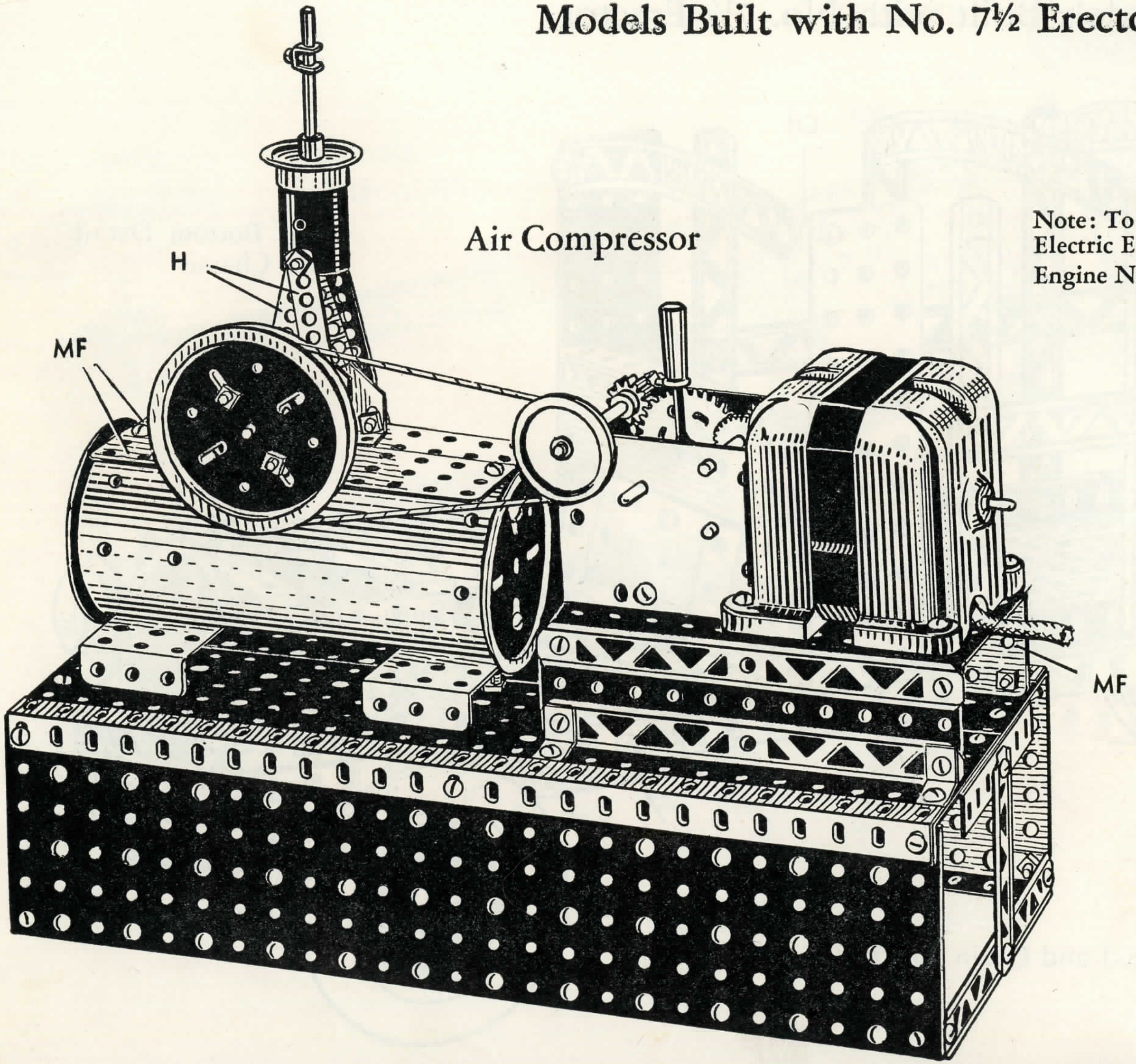
For Bottom Detail
see Chassis

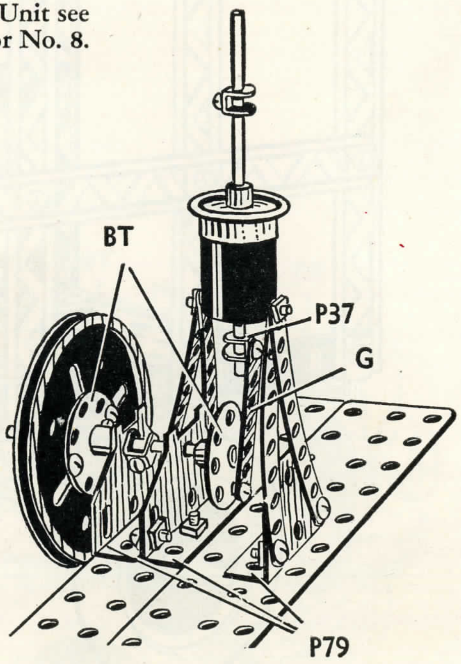
Feed and Grain Truck

Models Built with No. 7½ Erector

Air Compressor

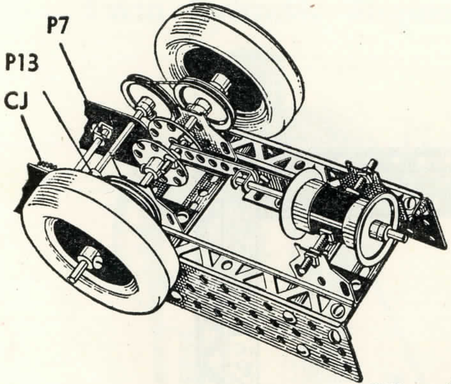
Note: To build Power Unit see Electric Engine No. 3 or No. 8. Engine No. 8 shown.



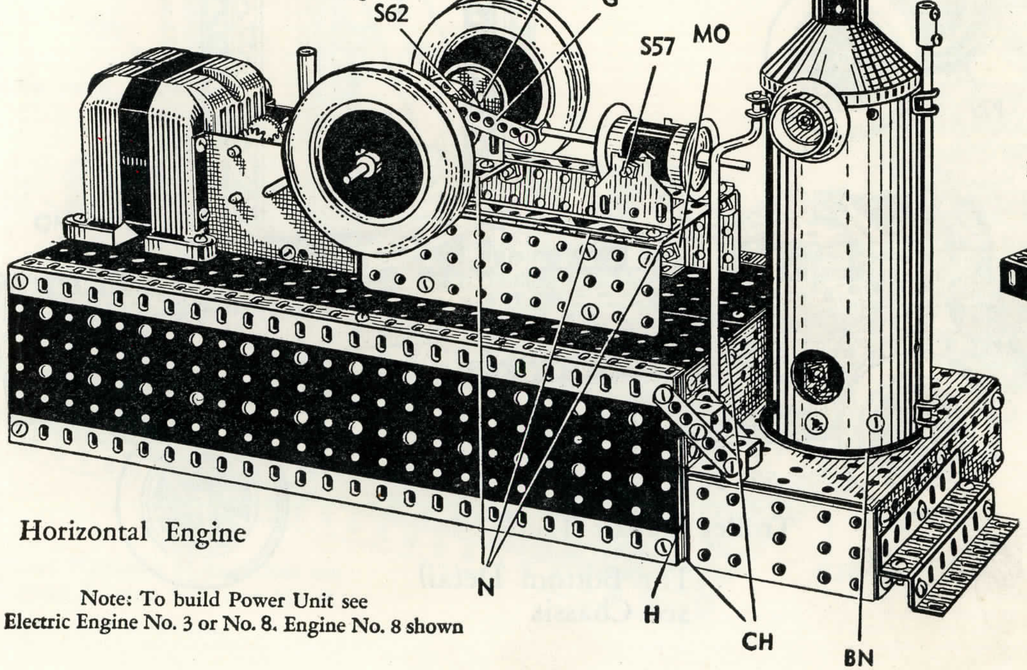


Detail of Air Compressor

Models Built with No. 7½ Erector

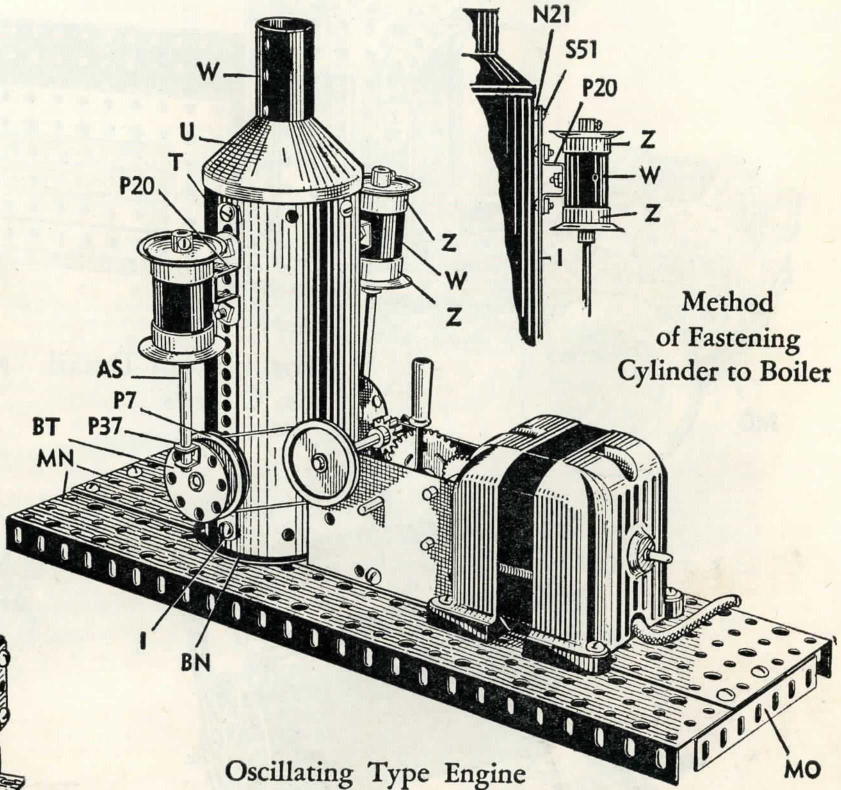


Detail of Drive and Crank
for Horizontal Engine



Horizontal Engine

Note: To build Power Unit see
Electric Engine No. 3 or No. 8. Engine No. 8 shown



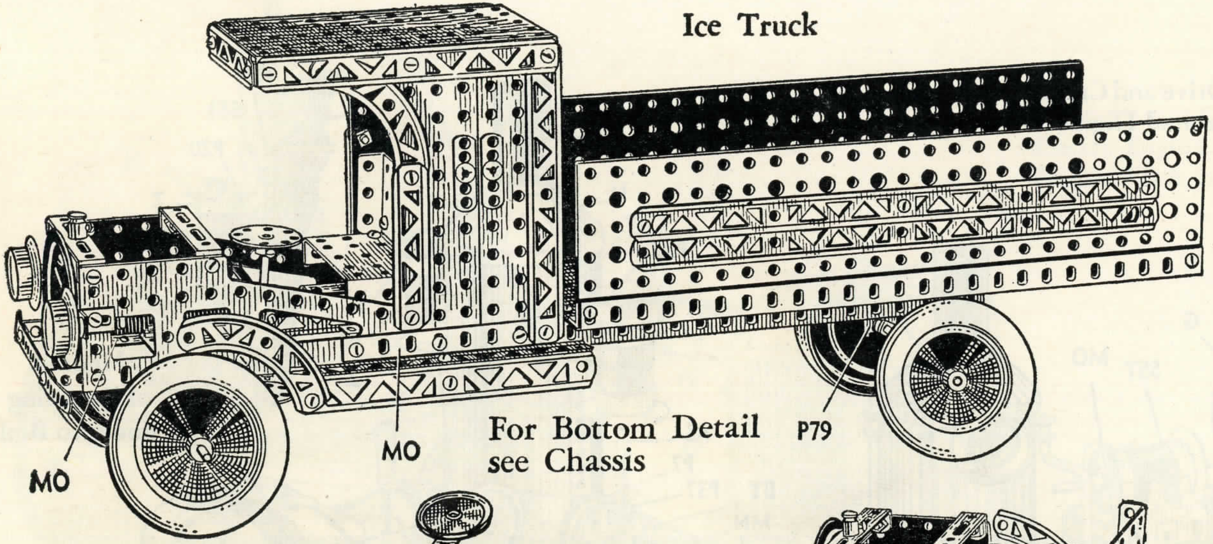
Method
of Fastening
Cylinder to Boiler

Oscillating Type Engine

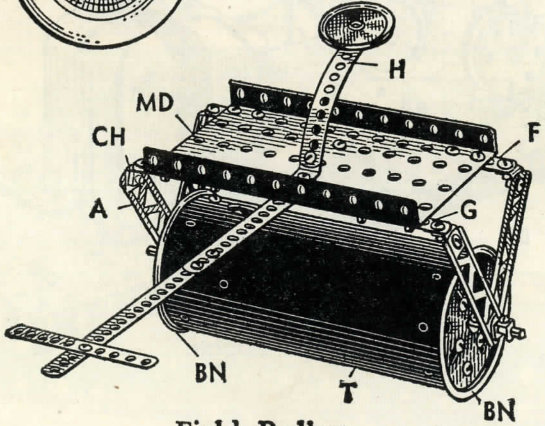
Note: To build Power Unit see
Electric Engine No. 3 or No. 8. Engine No. 8 shown

Models Built with No. 7½ Erector

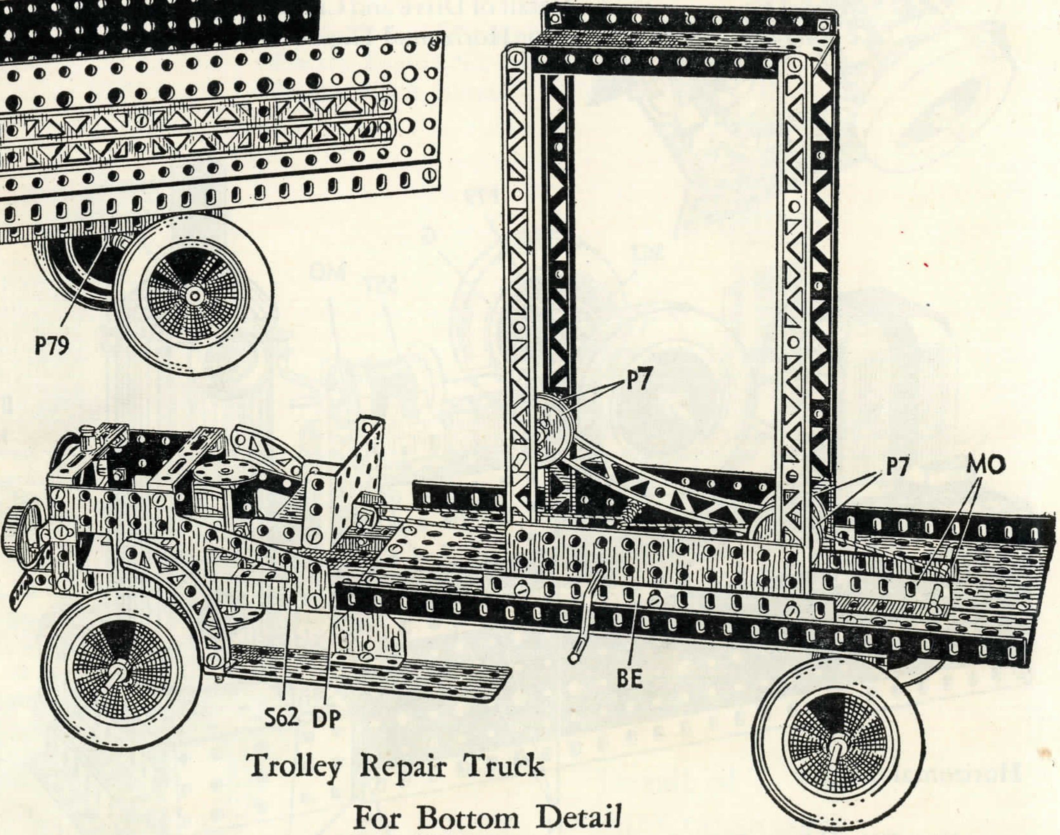
Ice Truck



For Bottom Detail see Chassis



Field Roller

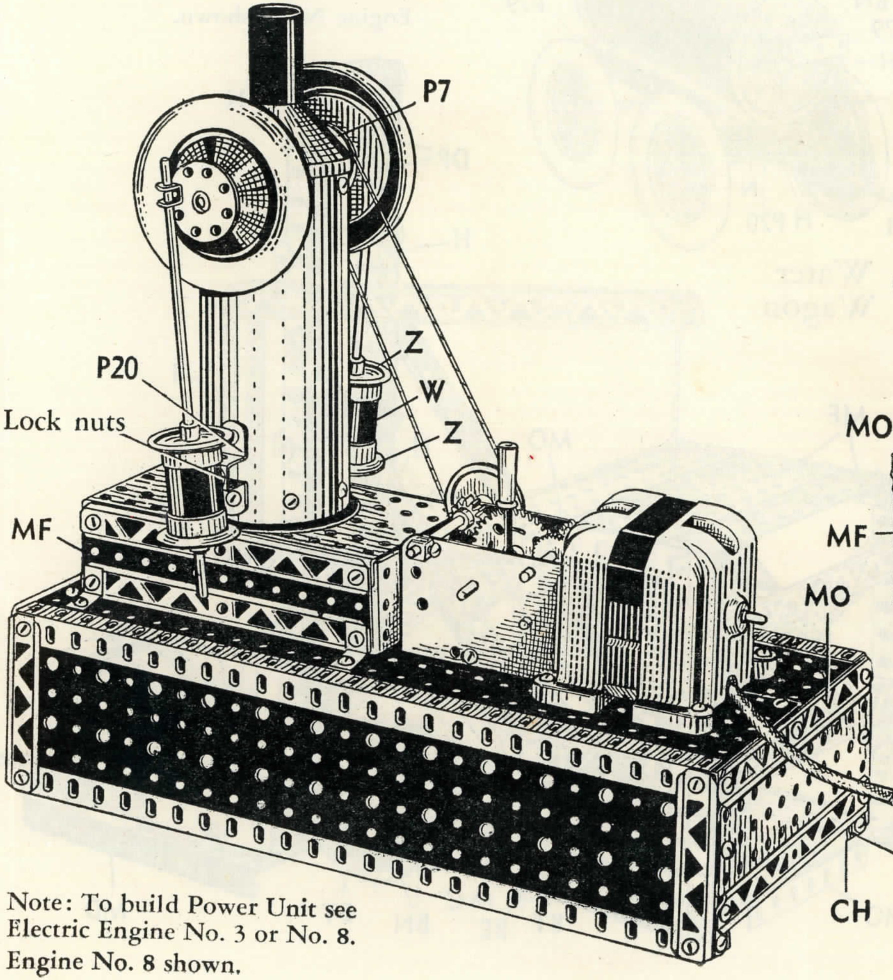


Trolley Repair Truck

For Bottom Detail see Chassis

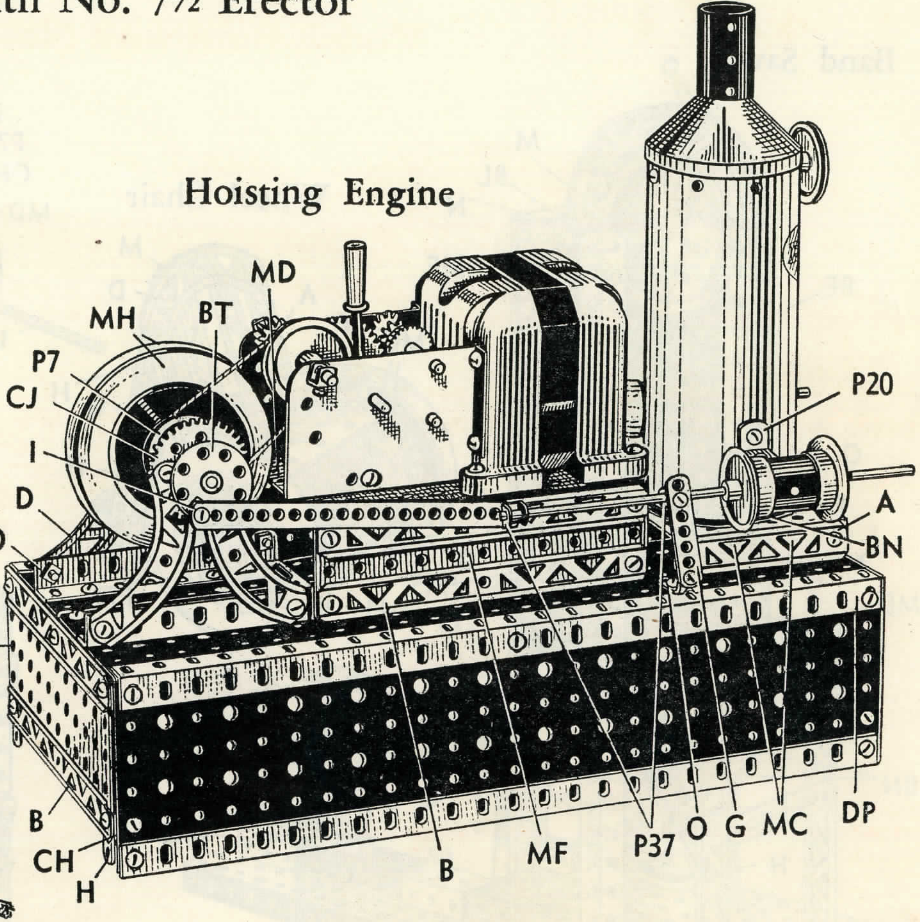
Models Built with No. 7½ Erector

Twin Cylinder Engine



Note: To build Power Unit see
Electric Engine No. 3 or No. 8.
Engine No. 8 shown.

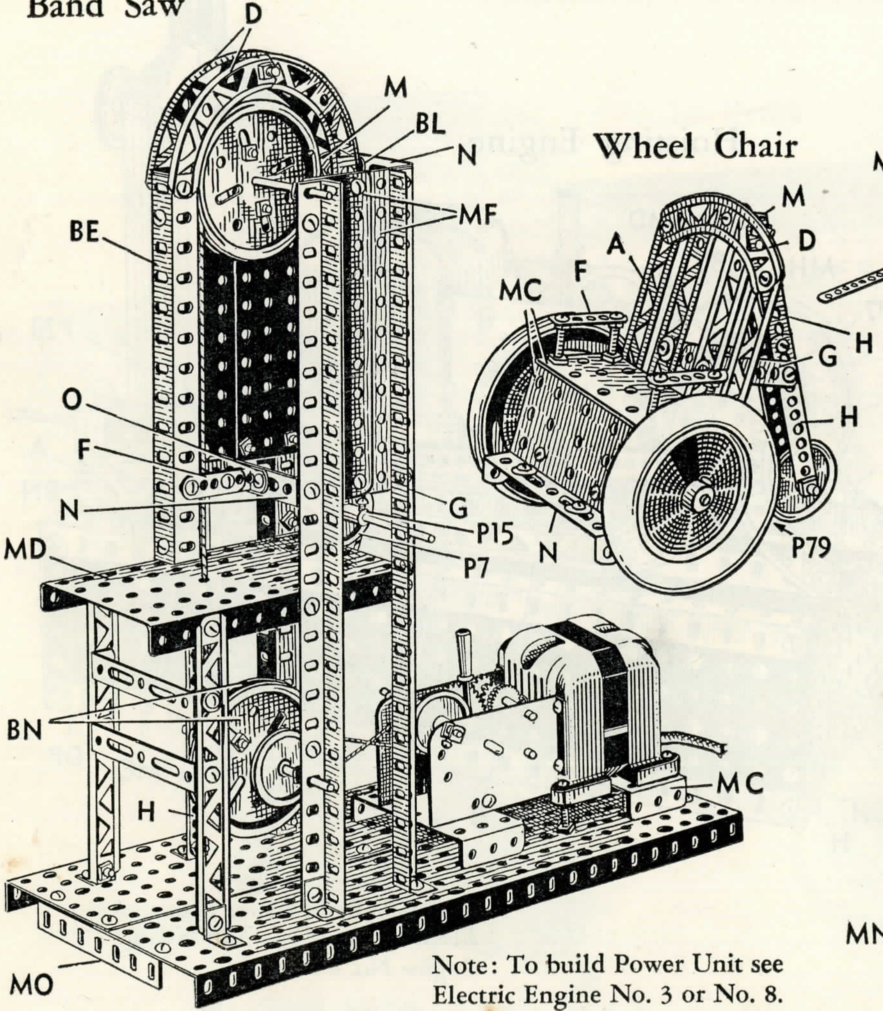
Hoisting Engine



Note: To build Power Unit see
Electric Engine No. 3 or No. 8.
Engine No. 8 shown.

Models Built with No. 7½ Erector

Band Saw



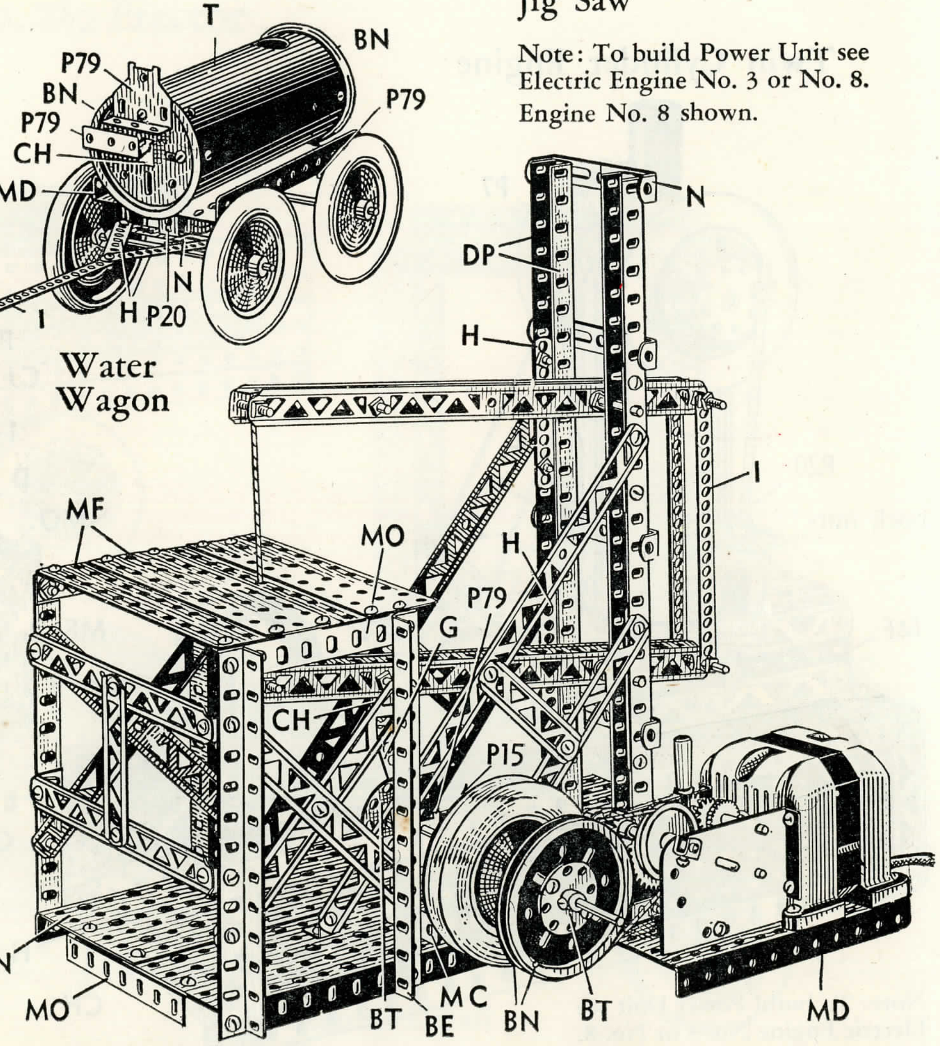
Note: To build Power Unit see Electric Engine No. 3 or No. 8. Engine No. 8 shown.

Wheel Chair

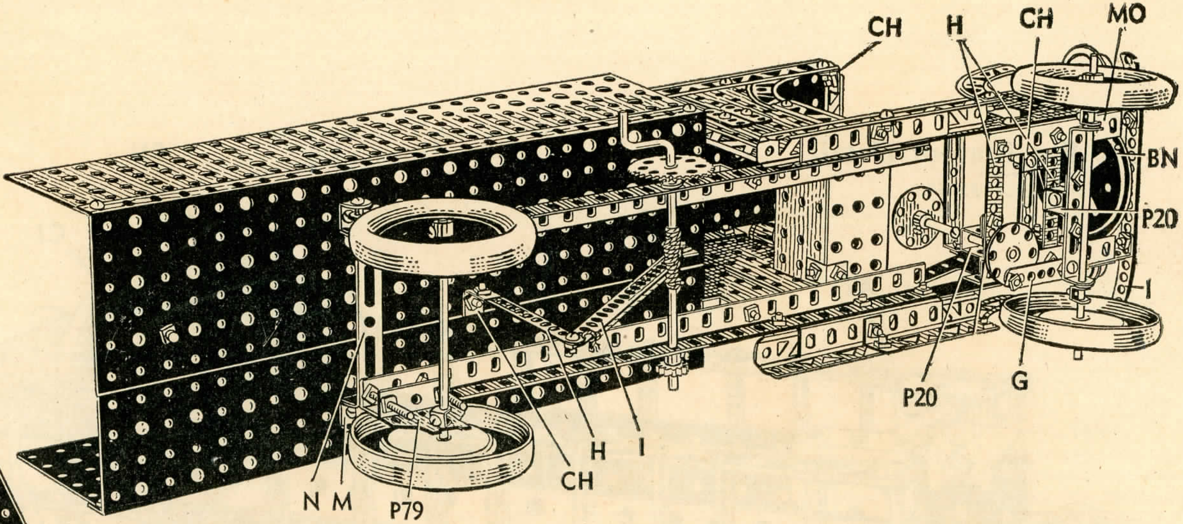
Water Wagon

Jig Saw

Note: To build Power Unit see Electric Engine No. 3 or No. 8. Engine No. 8 shown.

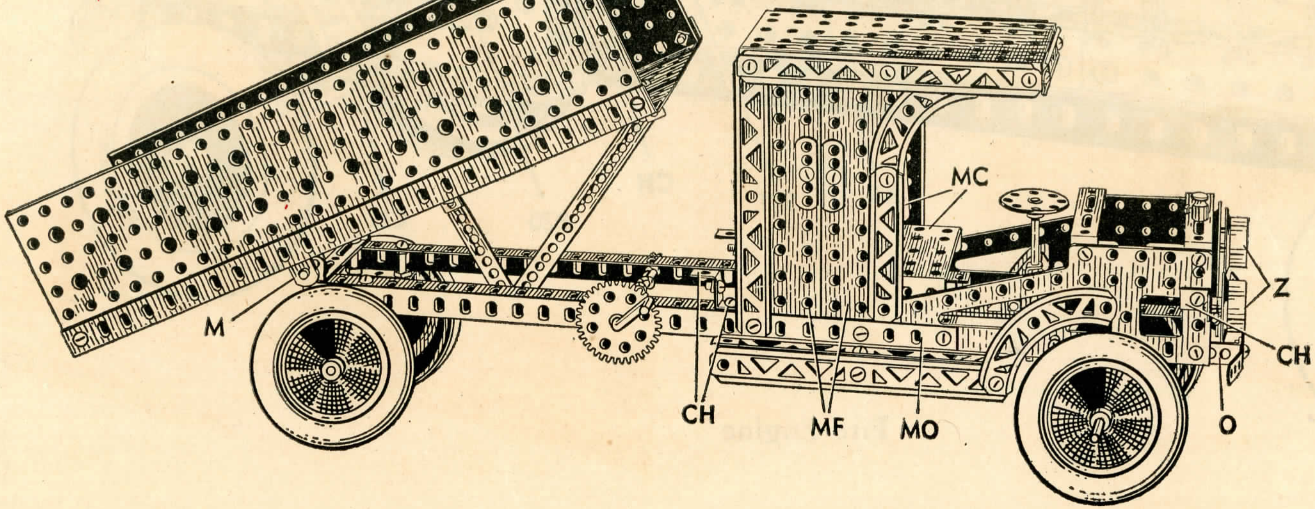


Models Built with No. 7½ Erector



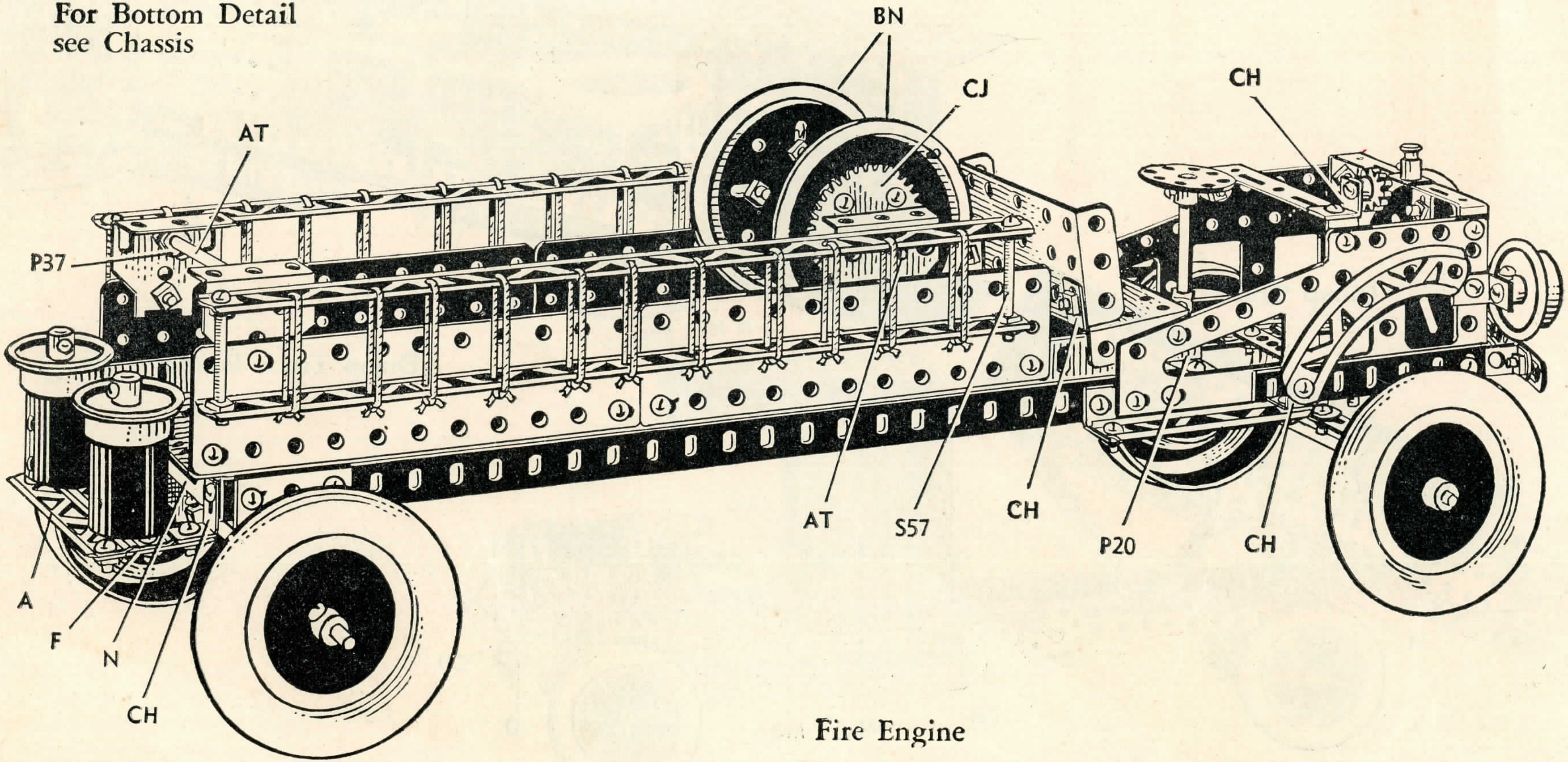
Dump Truck Bottom View

Dump Truck



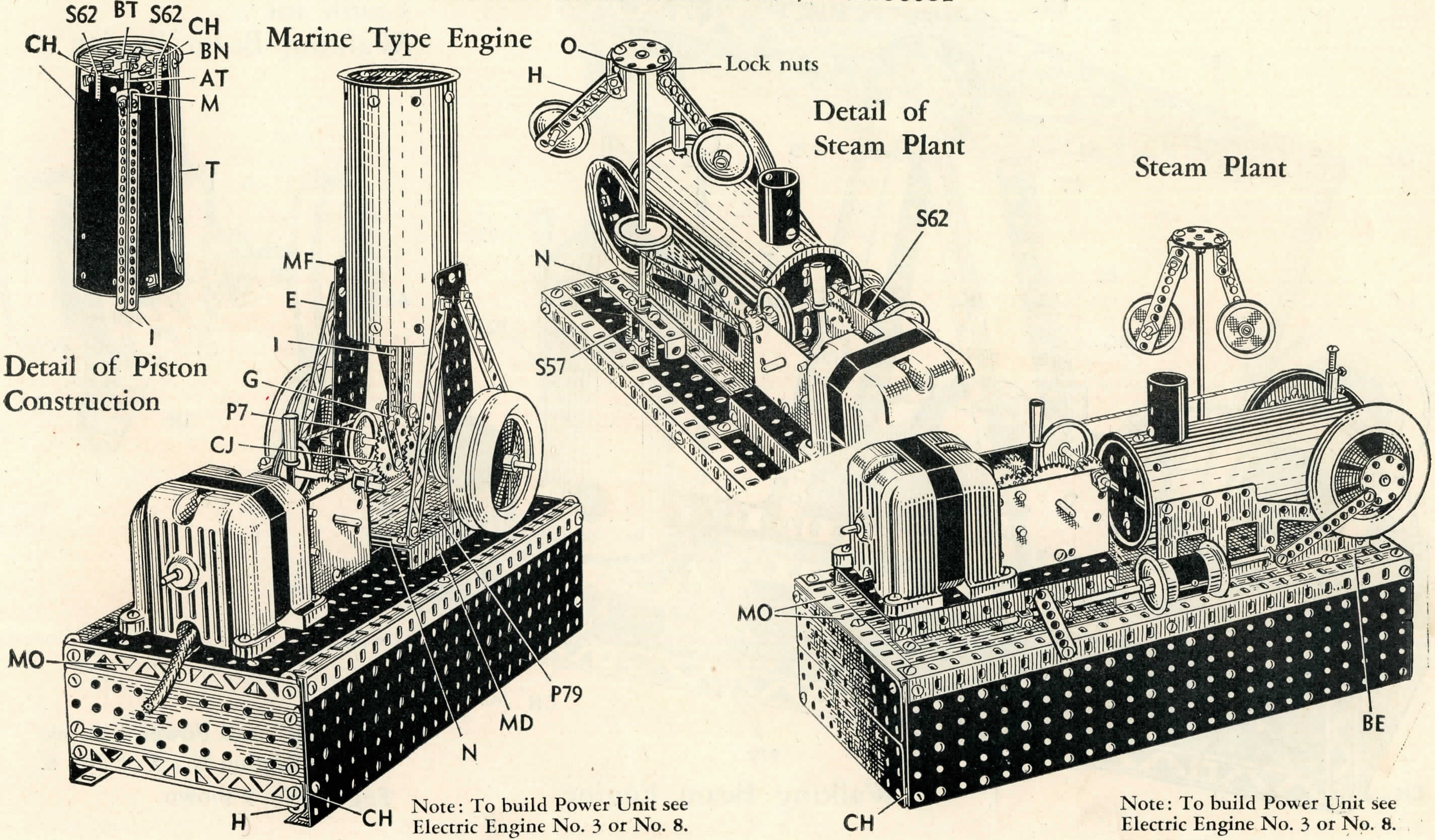
Models Built with No. 7½ Erector

For Bottom Detail see Chassis



Fire Engine

Models Built with No. 7½ Erector



Detail of Piston Construction

Marine Type Engine

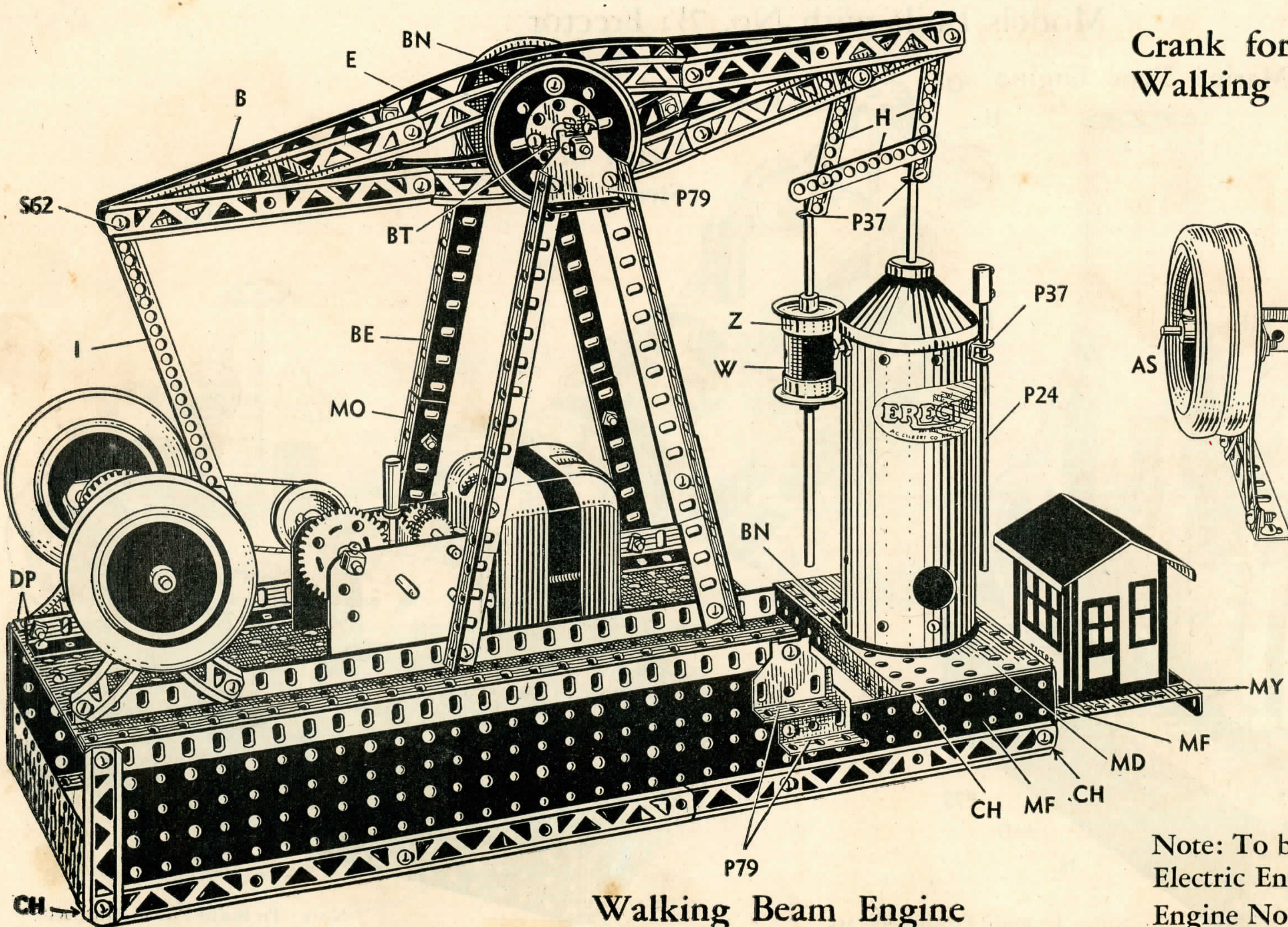
Detail of Steam Plant

Steam Plant

Note: To build Power Unit see Electric Engine No. 3 or No. 8. Engine No. 8 shown.

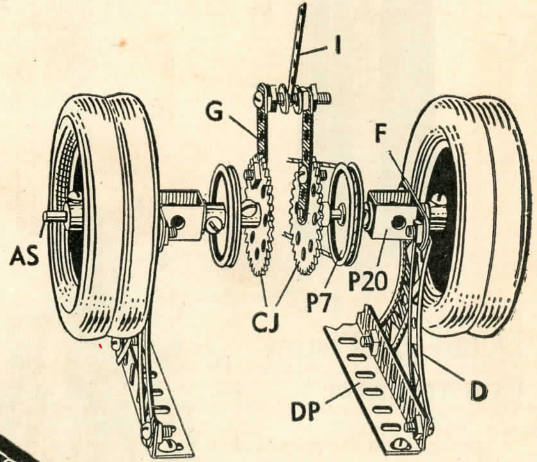
Note: To build Power Unit see Electric Engine No. 3 or No. 8. Engine No. 8 shown.

Models Built with No. 7½ Erector



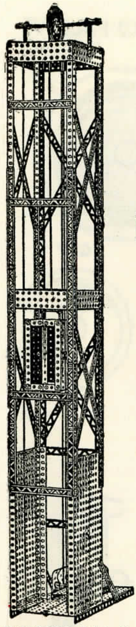
Walking Beam Engine

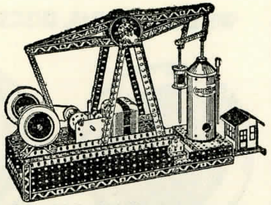
Crank for Walking Beam Engine

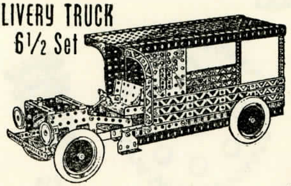


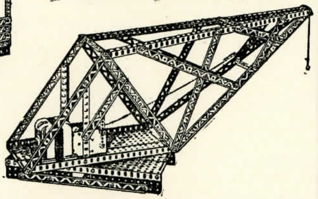
Note: To build Power Unit see Electric Engine No. 3 or No. 8. Engine No. 9 shown.

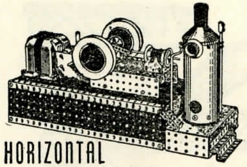
Models Built with Famous ERECTOR Sets

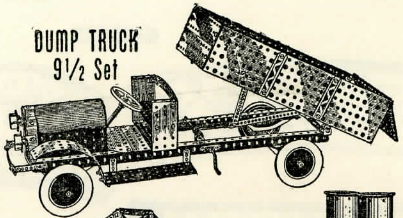

ELEVATOR 8½ Set

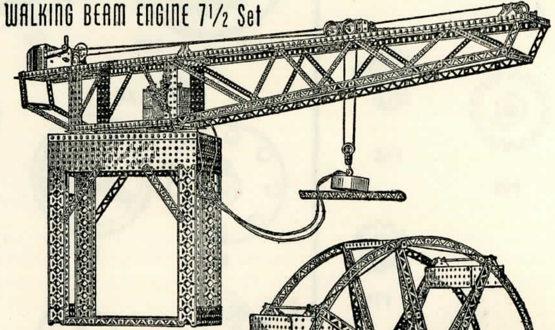

WALKING BEAM ENGINE 7½ Set

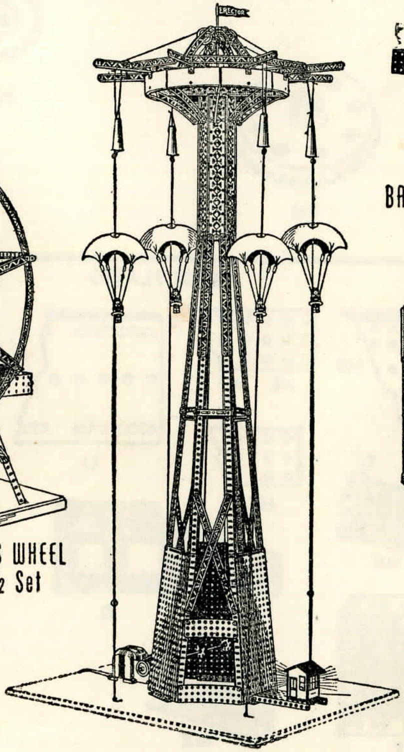

DELIVERY TRUCK
6½ Set


UNLOADING CRANE 6½ Set

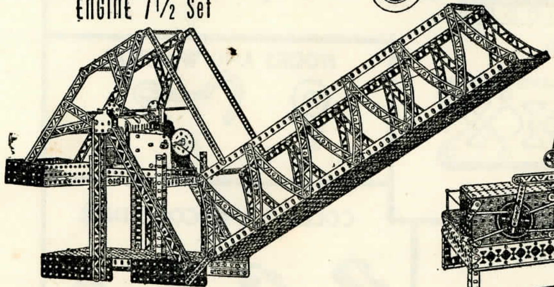

HORIZONTAL
ENGINE 7½ Set

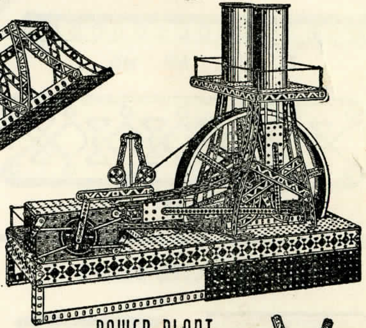

DUMP TRUCK
9½ Set

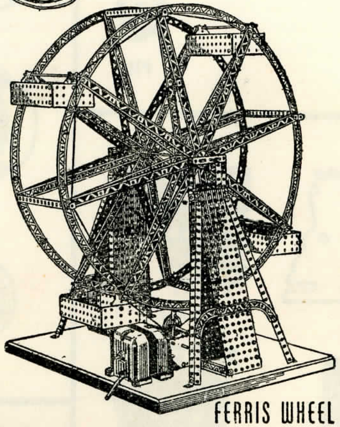

HAMMERHEAD CRANE with
LIFTING MAGNET 9½ Set

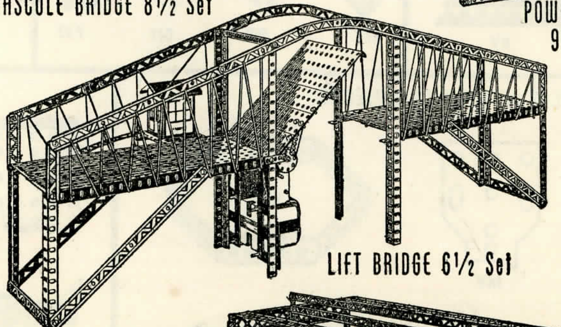


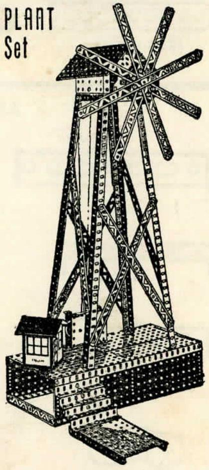
PARACHUTE JUMP 9½ Set

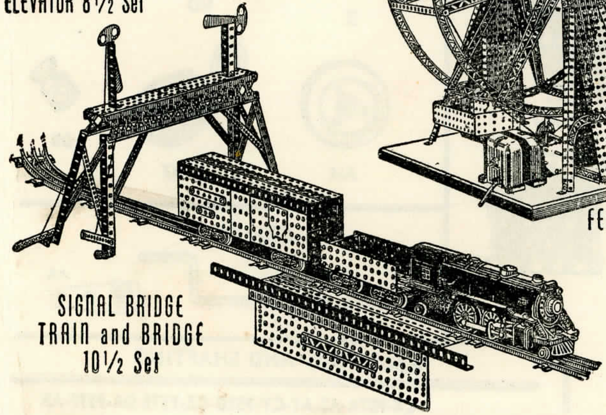

BASCULE BRIDGE 8½ Set

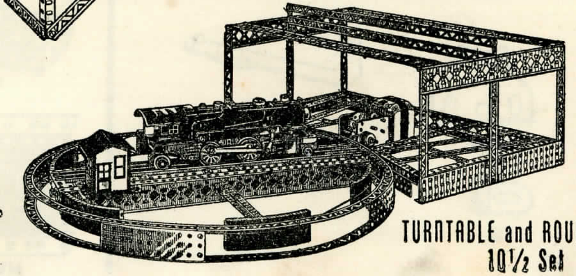

POWER PLANT
9½ Set


FERRIS WHEEL
8½ Set


LIFT BRIDGE 6½ Set

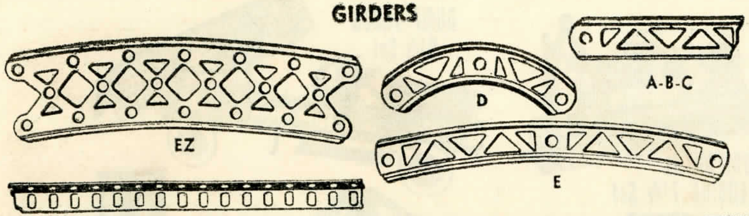

WINDMILL 4½ Set

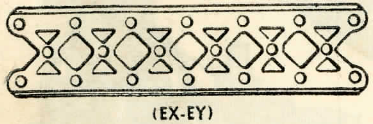

SIGNAL BRIDGE
TRAIN and BRIDGE
10½ Set


TURNTABLE and ROUNDHOUSE
10½ Set

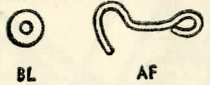
ERECTOR SEPARATE PARTS

GIRDERS

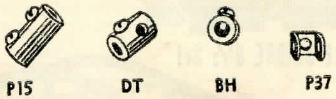




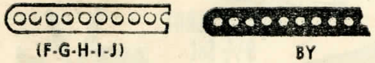
HOOKS AND WASHERS



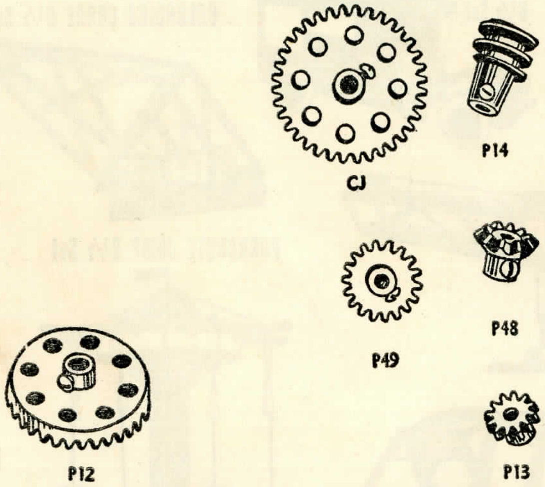
COLLARS AND COUPLINGS



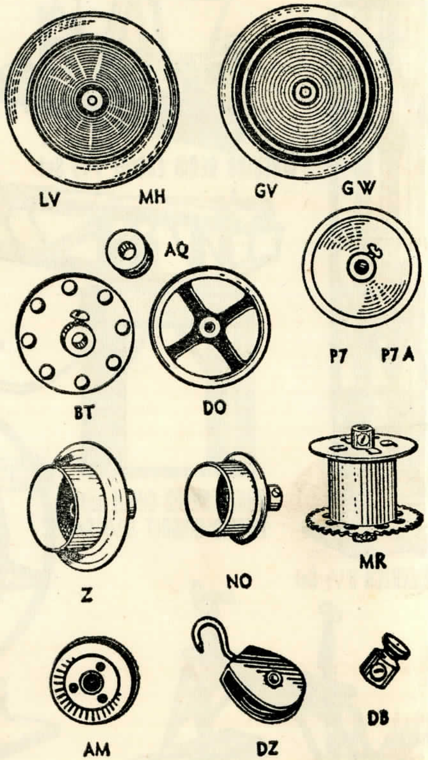
PERFORATED STRIPS



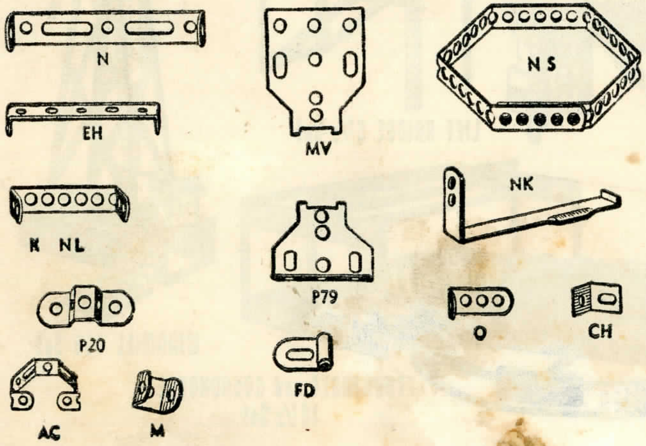
GEARS



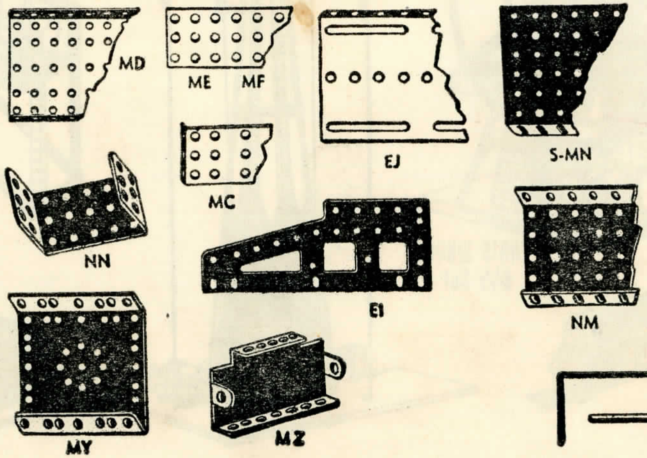
WHEELS, DRUMS, DISCS AND PULLEYS



ANGLES AND ANGLE PIECES



BASE PLATES



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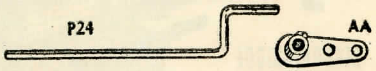
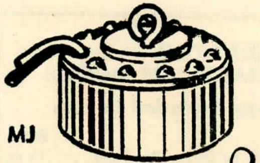


AXLE RODS AND SHAFTING

ERECTOR SEPARATE PARTS

ELECTRICAL ACCESSORIES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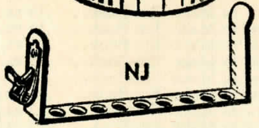
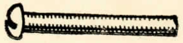

NJ

NH

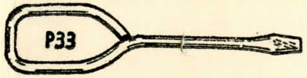
SCREWS AND NUTS


FA-S51-S57-S62-S52

N21

S11

TOOLS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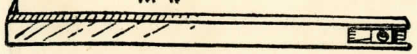
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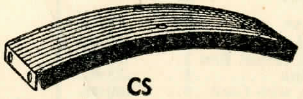
BOILERS AND ACCESSORIES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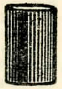
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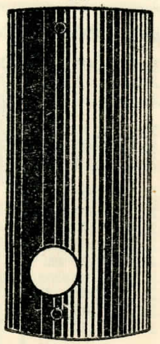
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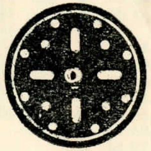
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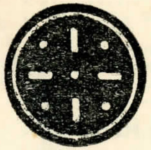
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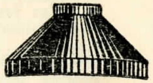
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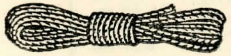
MISCELLANEOUS PARTS

DS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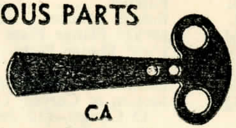
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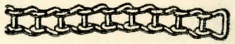
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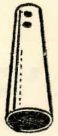
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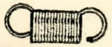
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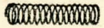
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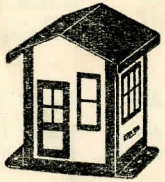
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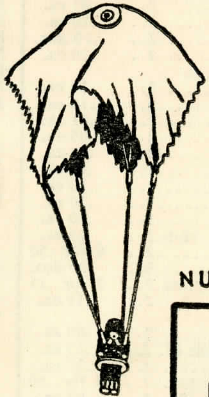
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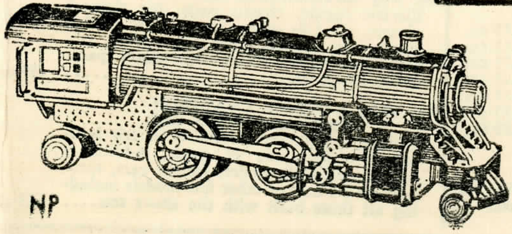
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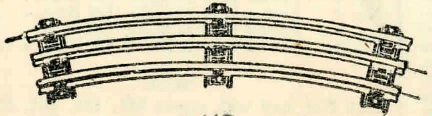
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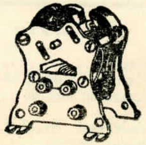
MOTORS AND HOISTING UNITS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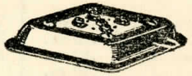
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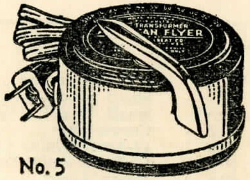
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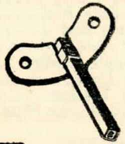
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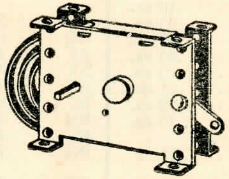
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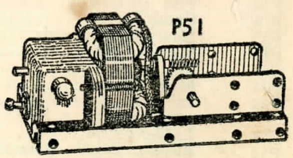
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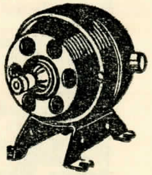
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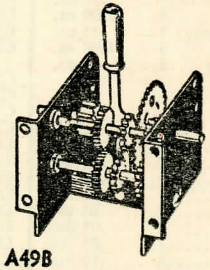
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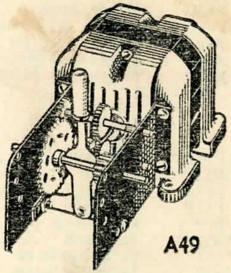
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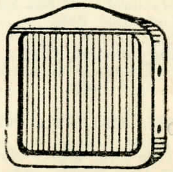
CHASSIS PARTS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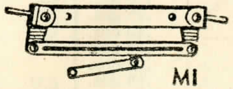
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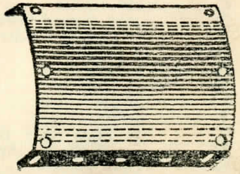
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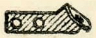
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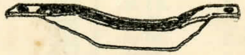
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ERECTOR SEPARATE PARTS PRICES

KINDLY ENCLOSE CHECK, MONEY ORDER OR STAMPS WITH YOUR ORDER FOR PARTS

THE A. C. GILBERT CO., NEW HAVEN, CONN., U. S. A.

Trade No.	Name of Part	Page	Price
*N21	8-32 Square Nut	3	.05 doz.
P7	Small Wheel, ⅞" Dia.	2	.10 ea.
P7A	Small Wheel, 1⅛" Dia.	2	.10 ea.
P12	Crown Gear	2	.10 ea.
P13	12-Tooth Pinion Gear, ⅛"	2	.10 ea.
P13B	12-Tooth Pinion Gear, 7/32"	2	.10 ea.
P14	Worm Gear	2	.20 ea.
P15	Coupling	2	.10 ea.
P20	Five Hole Strip—formed	2	.05 ea.
P24	Crank	2	.10 ea.
P33	Small Screw Driver	3	.05 ea.
P34	Hank of String	3	.05 ea.
P37	Collar	2	.25 doz.
P48	Mitre Gear	2	.20 ea.
P49	18-Tooth Gear	2	.15 ea.
P52	Ladder Chain	3	.15/ft
P51	Electric Engine Reversing 110v. A.C. or D.C.	3	3.95 ea.
No. 5	Transformer	3	2.50 ea.
P56G	Motor, 110v. A.C. or D.C.	3	2.95 ea.
P58	Motor, 6-14 volts	3	1.00 ea.
P59	Reverse Base (for P58 only)	3	.75 ea.
A48	Mechanical Motor	3	1.00 ea.
K48	Mechanical Motor Key	3	.20 ea.
P57A	2⅛" Axle	2	.02 ea.
P57D	6" Axle	2	.06 ea.
P57E	8" Axle	2	.08 ea.
P57F	12" Axle	2	.12 ea.
P79	Car Truck	2	.05 ea.
*S11	Set Srew	3	.05 doz.
*S51	¼"x8-32 Screw	3	.05 doz.
*S52	½"x8-32 Screw	3	.10 doz.
*S57	1⅜"x8-32 Screw	3	.15 doz.
*S62	⅞"x8-32 Screw	3	.10 doz.
*FA	1¾"x8-32 Screw	3	.15 doz.
A	2½" Girder	2	.20 doz.
B	5" Girder	2	.35 doz.
C	10" Girder	2	.50 doz.
D	2½" Curved Girder	2	.25 doz.
E	5" Curved Girder	2	.40 doz.
F	5 Hole Strip	2	.10 doz.
G	7 Hole Strip	2	.10 doz.
H	11 Hole Strip	2	.15 doz.
I	21 Hole Strip	2	.20 doz.
J	41 Hole Strip	2	.30 doz.
K	11 Hole Strip Bracket	2	.35 doz.
M	Small Double Angle	2	.25 doz.
N	Long Double Angle	2	.05 ea.
O	Pawl	2	.05 ea.
S	Large Base Plate—21 holes	2	.40 ea.
T	Boiler	3	.25 ea.
U	Boiler Top	3	.20 ea.
W	Stack	3	.05 ea.
Z	Flanged Wheel, 15/16" Dia.	2	.15 ea.
AA	Eccentric Crank	2	.10 ea.
AC	Universal Bracket	2	.10 ea.
AE	Spiral Spring	3	.05 ea.
AF	Small Hook	2	.15 doz.
AM	Special Pulley—Metal	2	.05 ea.
AQ	Sheave Pulley	2	.05 ea.
AS	2⅞" Axle Rod	2	.03 ea.
AT	4" Axle Rod	2	.04 ea.
AX	19¾" Axle Rod	2	.20 ea.
BE	6" Angle Girder	2	.50 doz.
BH	Solid Collar	2	2 for .05
BL	Small Washer	2	.05 doz.
BN	Regular Turret Plate	3	.15 ea.
BT	Pierced Disc	2	.10 ea.
BY	11-Hole Fibre Strip	2	.05 ea.
CA	Signal Arm	3	.10 ea.
CH	Right Angle	2	.10 doz.
CJ	36-Tooth Gear	2	.20 ea.
CR	Special Turret plate with hub	3	.15 ea.
CS	Wheel Segment	3	.15 ea.
CX	1" Axle Rod	2	.01 ea.
CY	5" Axle Rod	2	.05 ea.
CZ	7" Axle Rod	2	.07 ea.
DA	10" Axle Rod	2	.10 ea.
DB	Motor Pulley	2	.10 ea.
DE	Steering Column	3	.10 ea.
DK	Flat Spring	3	.10 ea.
DO	Steering Wheel with Hub	2	.15 ea.
DP	12" Angle Girder	2	6 for .50
DS	Cotter Pin	3	.05 doz.
DT	1-Hole Set Screw Coupling	2	2 for .15
DZ	Tackle Block	2	.15 ea.
EH	Gear Box Bracket	2	.05 ea.
EI	Standard Gear Box Side Pl.	2	.15 ea.
EJ	Gear Box Base	2	.20 ea.
EX	Big Channel Girder 12"	2	6 for .50
EY	Big Channel Girder 6"	2	.05 ea.
EZ	6" Curved B. C. Girder	2	.05 ea.
FD	Hinged Loop	2	2 for .05
GV	Thin Disc Wheel Nickel Rim	2	.10 ea.
GW	Thin Disc Wheel—Red	2	.10 ea.
LV	3" Disc Wheel, red	2	.20 ea.
LX	Steering Column Bracket	3	.05 ea.
MA	Radiator	3	.15 ea.
MB	18½" Angle Girder	2	.15 ea.
MC	Base Plate 1"x2½"	2	.05 ea.
MD	Base Plate 2½"x5"	2	.10 ea.
ME	Flat Plate 1"x4"	2	.05 ea.
MF	Flat Plate 1"x5"	2	.05 ea.
MG	Radiator Hood	3	.10 ea.
MH	3" Disc Wheel, Nickel Rim	2	.25 ea.
MI	Front Axle Unit	3	.25 ea.
MJ	Electro Magnet with Cord	3	.60 ea.
MM	Wrench	3	.05 ea.
MN	12" Base Plate	2	.40 ea.
MO	3" Angle Girder	2	.30 doz.
MR	Drum with Gear	2	.35 ea.
MS	Compression Spring	3	.05 ea.
MV	Flat Car Truck	2	.05 ea.
MW	Nut Holder	3	.10 ea.
MX	House	3	.35 ea.
MY	2½"x2½" Base Plate	2	.05 ea.
MZ	Bearing Block	2	.10 ea.
NH	Lamp Socket Unit	3	.15 ea.
NI	Bulb—1½ Volt	3	.05 ea.
NJ	Battery Holder	3	.15 ea.
NK	Ratchet	2	.05 ea.
NL	Bolster Bracket	2	2 for .05
NM	10"x2" Flange Plate	2	.40 ea.
NN	1"x2" Flange Plate	2	.05 ea.
NO	Flanged Wheel, ¾" Dia.	2	.15 ea.
NP	Locomotive—O Gauge	3	8.50 ea.
NQ	Section of Curved Track—O Gauge—(12 Sections per circle)	3	.20 ea.
NR	Track Terminal	3	.20 ea.
NS	41-Hole Strip—formed	2	.05 ea.
NT	Cone	3	.10 ea.
NU	Parachute	3	.25 ea.
A49	Electric Engine, gear shift 110v. A.C. only	3	$3.95 ea.
A49-A	Electric Eng., no gear shift.		3.00 ea.
A49-B	Elec. Eng., conversion unit Converts A49-A to A49.	3	1.25 ea.

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No. 1	Erector How to Make 'Em Book..	.15 ea.
No. 3	Erector How to Make 'Em Book..	.15 ea.
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No. 7	Erector How to Make 'Em Book..	.25 ea.
No. 8	Erector How to Make 'Em Book..	.25 ea.
No. 9	Erector How to Make 'Em Book..	.35 ea.

NOTE

*N21 Nut used with screws S51, S52, S62, S57, FA
*S11 Set Screw used with pulleys, couplings, etc.

ERECTOR
HOW TO MAKE 'EM BOOKS

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No. 1½	Erector How to Make 'Em Book..	.15 ea.
No. 2½	Erector How to Make 'Em Book..	.15 ea.
No. 3½	Erector How to Make 'Em Book..	.15 ea.
No. 4½	Erector How to Make 'Em Book..	.25 ea.
No. 6½	Erector How to Make 'Em Book..	.25 ea.
No. 7½	Erector How to Make 'Em Book..	.35 ea.
No. 8½	Erector How to Make 'Em Book..	.35 ea.
No. 9½	Erector How to Make 'Em Book..	.35 ea.
No. 10½	Erector How to Make 'Em Book..	.35 ea.

No. 9½ AUTOMOTIVE SET
Electric engine, chassis parts, big channel girders, giant fly wheel segment, etc. Builds automobiles, trucks, giant power plant, elevator, mammoth walking beam engine, parachute jump, etc. .... .35 ea.

No. 10½ WORLD'S CHAMPION ELECTRIC TRAIN SET.
Features completely assembled electric locomotive with circle of track. Additional equipment builds tender, freight cars, turntable and a host of other fine models including all those built with the above sets.... .35 ea.

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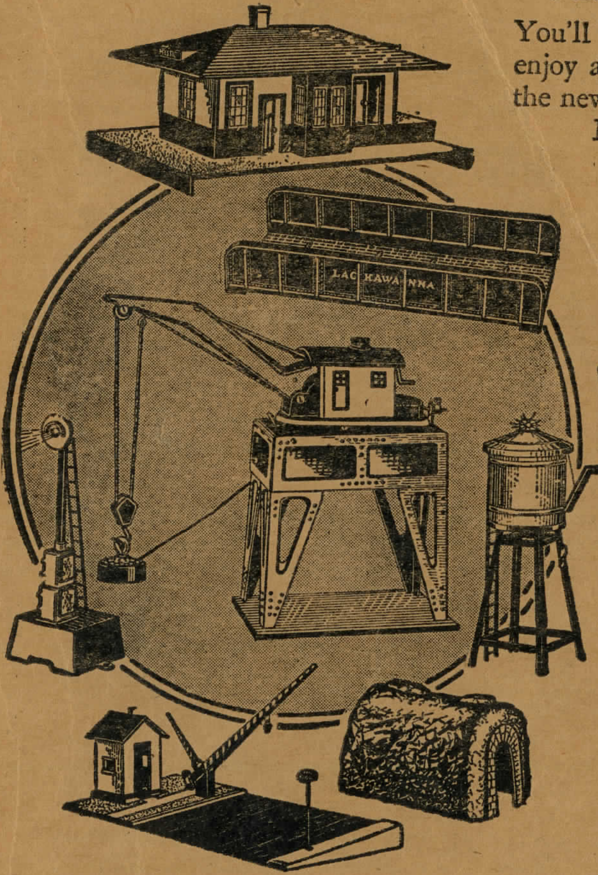

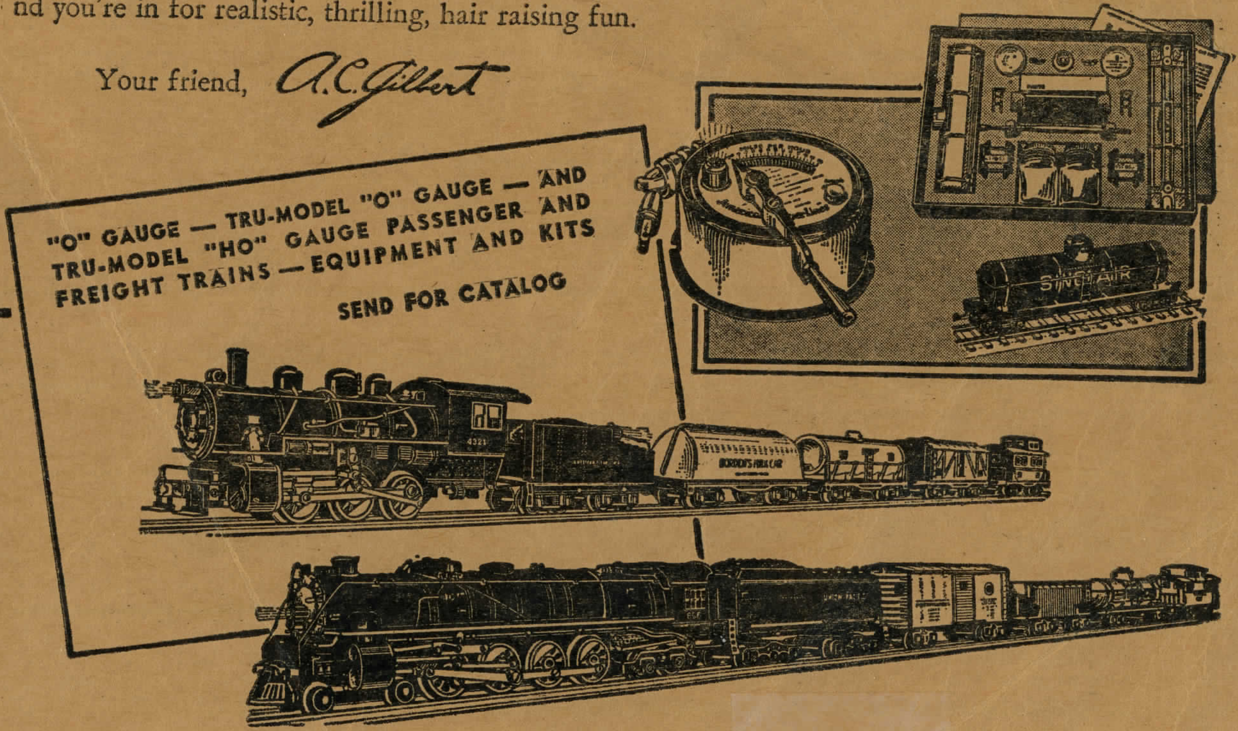
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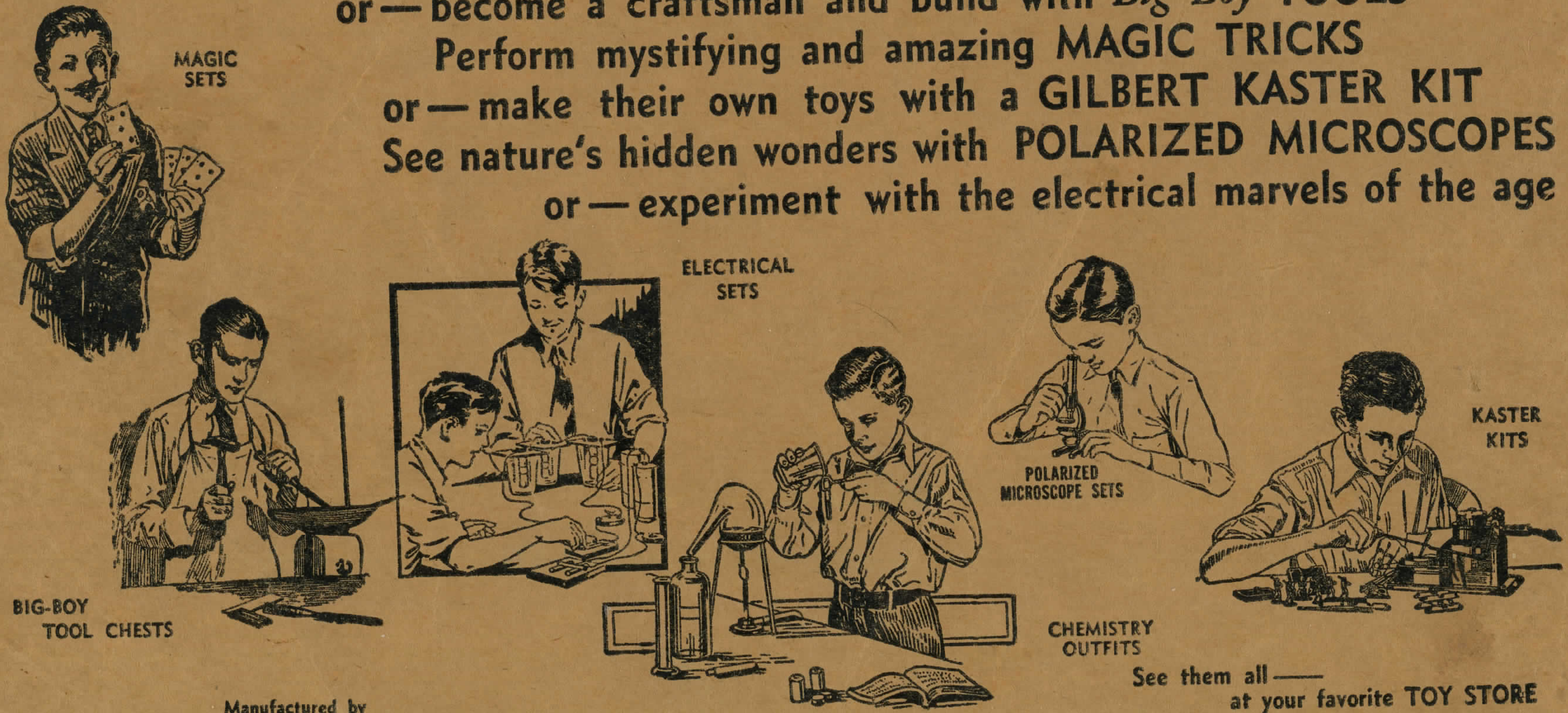

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